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THE

ANNUAL STATISTICS

OF

MANUFACTURES.

1892.

BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1893.

Commonwealth of Massachusetts.

BUREAU OF STATISTICS OF LABOR,
CLAFLIN BUILDING, 20 BEACON STREET,
BOSTON, August 15, 1893.

TO THE HONORABLE SENATE AND HOUSE OF REPRESENTATIVES:

I have the honor to transmit, herewith, the Annual Statistics of Manufactures for the year 1892, which have been collected and are presented in compliance with Chapter 174, Acts of 1886.

Very respectfully,

HORACE G. WADLIN,

Chief.

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THE

ANNUAL STATISTICS OF MANUFACTURES.

1892.

INTRODUCTION.

This volume is the seventh report on the Annual Statistics of Manufactures, issued in accordance with the provisions of Chapter 174 of the Acts of 1886.

The following table indicates the number of returns compared in these annual reports, in each year, beginning with 1886:

Years.	Number of Establishments Considered	Years.	Number of Establishments Considered
1886, ...	1,027	1890, ...	3,041
1887, ...	1,027	1891, ...	3,745
1888, ...	1,140	1892, ...	4,473
1889, ...	1,364		

From the above table it will be seen that the number of returns entering into the comparisons in 1892 included 4,473 establishments, as against only 1,027 included in the first volume of the series. The value of the reports is, of course, proportionate to the number of returns upon which they are based, and the continued increase in these returns is very gratifying. The total number of returns received in 1892 is larger than the number entering into the comparisons with those received in 1891, inasmuch as only such returns can be compared as were derived from the same establishments making return in each of the years named.

The whole number of returns received in 1892 included 4,935 establishments. These comprise the leading establishments in the principal industries. The total number of establishments making returns in the Decennial Census of 1885, in the same

industries, was 19,072. These, however, included a large number of small establishments in which comparatively few persons were employed.

In the following table we present the output in the establishments making returns in 1892, and also the output in the establishments making returns, in the same industries, in the Decennial Census of 1885:

Industries.	1885		1892	
	Number of Establishments	Value of Goods Made and Work Done	Number of Establishments	Value of Goods Made and Work Done
Agricultural implements,	30	$1,324,597	11	$1,212,890
Arms and ammunition,	40	2,058,879	15	2,495,400
Artisans' tools,	140	2,509,107	70	2,840,991
Awnings, sails, tents, etc.,	14	108,579	41	561,864
Boots and shoes,	2,366	114,729,533	849	118,568,318
Boxes (paper and wooden),	215	4,332,505	150	5,224,302
Brick, tiles, and sewer pipe,	114	1,541,879	56	1,611,531
Brooms, brushes, and mops,	72	1,365,373	23	1,500,937
Burial cases, caskets, coffins, etc.,	113	770,333	6	319,750
Buttons and dress trimmings,	16	1,016,153	12	1,566,020
Carpetings,	46	6,536,341	14	8,755,069
Carriages and wagons,	1,013	7,277,933	142	4,985,610
Cement, kaolin, lime, and plaster,	16	239,875	7	239,886
Chemical preparations (compounded),	23	1,165,134	11	1,236,122
Clocks, watches, and jewelry,	54	3,372,699	96	6,751,759
Clothing,	2,402	32,659,837	149	28,885,011
Cooking, lighting, and heating apparatus,	65	3,131,582	41	3,813,003
Cordage and twine,	52	5,077,261	31	10,066,605
Corks, bungs, and taps,	4	144,000	3	41,667
Cotton goods,	165	61,425,097	161	92,165,520
Cotton, woollen, and other textiles,	4	2,394,583	3	3,352,505
Crayons, pencils, crucibles, etc.,	7	104,490	3	62,054
Drugs and medicines,	916	4,722,838	25	3,461,423
Dyestuffs,	9	789,973	6	1,021,051
Earthen, plaster, and stone ware,	22	433,213	7	348,787
Electrical apparatus and appliances,	40	1,397,737	19	8,393,725
Electroplating,	35	214,507	12	120,242
Emery and sand paper and cloth, etc.,	13	566,101	13	945,917
Fancy articles,	18	81,981	7	282,291
Fertilizers,	17	2,778,987	6	264,204
Fine arts and taxidermy,	23	42,124	3	19,800
Fireworks and matches,	5	91,210	3	129,687
Flax, hemp, jute, and linen goods,	12	2,562,112	8	2,955,559
Food preparations,	1,716	80,535,219	328	64,717,630
Furniture,	603	12,716,908	151	13,151,030
Glass,	20	1,091,949	11	689,704
Glue, isinglass, and starch,	29	1,306,331	20	1,206,487
Hair work (animal and human),	55	442,063	11	647,825
Hose: rubber, linen, etc.,	3	790,480	4	956,568
Hosiery and knit goods,	60	4,196,522	47	6,157,358

Industries.	1885		1892	
	Number of Establishments	Value of Goods Made and Work Done	Number of Establishments	Value of Goods Made and Work Done
Ink, mucilage, and paste,	20	$131,626	10	$926,966
Ivory, bone, shell, and horn goods, etc.,	39	1,628,413	12	558,665
Leather,	699	28,008,851	228	22,253,671
Liquors and beverages (not spirituous),	63	641,216	23	791,568
Liquors: malt, distilled, and fermented,	218	7,881,240	55	8,649,996
Lumber,	466	3,627,345	30	3,170,446
Machines and machinery,	622	20,365,970	356	28,544,972
Metals and metallic goods,	2,732	41,332,005	377	28,478,374
Mixed textiles,	13	1,323,861	14	2,153,380
Models and patterns,	51	258,242	14	165,599
Musical instruments and materials,	93	6,145,008	56	5,893,648
Oils and illuminating fluids,	28	2,294,931	10	1,057,102
Paints, colors, and crude chemicals,	22	763,034	23	1,338,689
Paper and paper goods,	148	21,223,626	108	28,212,231
Perfumes, toilet articles, etc.,	10	409,801	6	298,481
Photographs and photographic materials,	241	936,165	20	400,110
Polishes and dressing,	65	1,788,412	27	1,944,174
Printing, publishing, and bookbinding,	712	16,552,475	38	4,175,690
Print works, dye works, and bleacheries,	96	15,880,843	48	21,223,234
Railroad construction and equipment,	15	2,158,224	14	4,275,835
Rubber and elastic goods,	41	12,638,741	36	20,897,336
Scientific instruments and appliances,	65	1,227,683	20	1,815,039
Shipbuilding,	279	2,107,986	61	1,385,414
Silk and silk goods,	12	3,501,240	12	4,952,024
Sporting and athletic goods,	27	1,079,966	11	726,763
Stone,	378	5,508,569	203	4,867,109
Straw and palm leaf goods,	47	6,265,287	19	4,482,264
Tallow, candles, soap, and grease,	155	3,474,890	68	3,523,525
Tobacco, snuff, and cigars,	302	2,813,084	45	3,268,293
Toys and games (children's),	15	316,895	9	663,932
Trunks and valises,	25	346,720	7	295,119
Whips, lashes, and stocks,	60	1,052,401	13	1,052,642
Wooden goods,	534	4,767,726	212	7,030,518
Woollen goods,	189	31,748,278	151	37,454,862
Worsted goods,	23	11,198,148	24	17,962,730
All Industries,	19,072	$629,444,927	4,935	$676,621,503

The total number of establishments included in the Decennial Census of 1885, comprising all of the industries, was 23,431.

In the preparation of the foregoing table there have been deducted from this number establishments in the following industries which are not included in the Reports on the Annual Statistics of Manufactures: Artificial Teeth and Dental Work, 489 establishments; Building, 3,773 establishments; Charcoal and Kindlers, 11 establishments; Concrete Walks, Paving, etc., 20 establishments; and Gas and Residual Products, 66 establishments.

The establishments in these five industries, at the date of the Decennial Census, aggregated 4,359. The total value of goods made and work done within them, in the Census year, amounted to $45,189,342. Deducting this amount from the total value of goods made and work done, returned from the 23,431 establishments, namely, $674,634,269, there remains a product value of $629,444,927 returned from 19,072 establishments, as shown in the final line of the preceding table.

In the preparation of the table, in order that the returns might be compared with those received in the Annual Statistics of Manufactures, the following industries, which were separately presented in the Decennial Census, have been consolidated: Jewelry, Burnishing, and Lapidary Work with Clocks, Watches, and Jewelry; Linen with Flax, Hemp, and Jute Goods, the present title being Flax, Hemp, Jute and Linen Goods; and Salt with Food Preparations.

The 4,935 establishments in the different industries, included in the table, returned an aggregate value of goods made and work done in 1892 of $676,621,503. This product value, returned from these leading establishments, exhibits an increase of $47,176,576, or 7.49 per cent over the aggregate output of the 19,072 establishments, in the same industries, which made

	Cities.	Number of Industries Reported	Number of Establishments Reporting	Amount of Capital Invested
1	Boston,	252	7,915	$116,644,490
2	Brockton,	64	530	7,533,399
3	Cambridge,	106	1,231	20,259,747
4	Chelsea,	64	334	7,068,111
5	Fall River,	42	312	36,513,260
6	Fitchburg,	59	285	6,120,050
7	Gloucester,	22	84	3,059,898
8	Haverhill,	64	722	7,925,810
9	Holyoke,	69	477	22,738,233
10	Lawrence,	69	521	29,108,756
11	Lowell,	94	828	40,457,399
12	Lynn,	85	1,343	12,930,755
13	Malden,	47	276	7,060,416
14	New Bedford,	57	351	19,602,583
15	Newton,	38	170	4,450,216
16	Somerville,	58	387	3,788,018
17	Springfield,	107	681	10,524,457
18	Taunton,	65	310	7,754,773
19	Worcester,	144	978	25,339,203

returns in the Decennial Census. That is to say, the total value of goods made and work done in the leading establishments, the returns from which form the basis of the present report, is 7.49 per cent larger than the product value derived from all the establishments, in the same industries, in the year 1885, as shown by the Decennial Census. This, of itself, indicates the representative character of the returns which form the basis of the present report.

This office is constantly in receipt of requests for information regarding the industrial condition of the leading manufacturing cities, as derived from the returns of the Eleventh United States Census in 1890.

The following table presents such aggregates so far as published in bulletins issued by the Census Office. The table includes the total number of industries reported, the number of establishments reporting, the amount of capital invested, value of stock used, value of goods made, number of persons employed, total amount of wages paid, amount expended for miscellaneous expenses, together with the population and the assessed valuation of the cities specified, as derived from the returns secured in the Eleventh United States Census in 1890. The figures are possibly subject to slight correction before their final publication in the Census Report.

Value of Stock Used	Value of Goods Made	Number of Persons Employed	Total Amount of Wages Paid	Miscellaneous Expenses	Population	Assessed Valuation	
$104,631,879	$208,104,683	90,198	$54,636,695	$21,399,162	448,477	$822,041,800	1
11,157,552	20,944,705	11,141	6,566,314	1,146,169	27,294	17,477,847	2
19,947,576	35,490,389	14,208	7,727,333	2,397,304	70,028	67,471,925	3
4,655,432	8,072,048	3,421	1,879,663	546,041	27,909	20,798,339	4
16,926,445	31,029,451	22,822	8,314,811	2,020,806	74,398	53,474,458	5
5,381,910	9,349,993	4,195	2,268,221	587,435	22,037	15,476,206	6
3,077,996	4,622,722	2,110	900,491	251,510	24,651	13,945,439	7
13,561,592	25,340,361	14,988	6,815,474	1,805,430	27,412	17,870,772	8
12,427,539	24,091,667	12,150	5,736,708	1,689,909	35,637	22,073,825	9
14,731,652	25,933,354	15,825	6,513,454	1,996,318	44,654	30,476,223	10
21,613,680	39,638,062	28,086	10,695,545	3,566,636	77,696	62,046,799	11
20,210,003	38,310,585	19,792	11,328,797	1,875,902	55,727	40,721,028	12
5,428,785	8,694,807	4,415	2,161,650	434,307	23,031	17,257,475	13
7,961,817	15,886,238	10.730	4,626,135	972,989	40,733	36,869,754	14
2,111,770	4,172,404	2,524	1,351,933	240,506	24,379	36,159,025	15
4,369,064	7,324,082	3,126	1,716,496	596,404	40,152	32,557,500	16
7,583,487	16,191,456	9,510	5,391,005	887,633	44,179	44,493,633	17
4,771,096	9,834,584	6,379	3,104,023	692,682	25,448	17,823,032	18
20,994,852	39,190,817	21,478	11,541,703	1,884,728	84,655	73,417,460	19

The following series of tables present the results of the United States Census Bulletins with respect to the Cotton, Wool, and Silk Industries; Dyeing and Finishing Textiles; Iron; Steel; Mines and Mining; and the use of Distilled Spirits. The statistics have been derived from bulletins issued by the Census Office, and like those included in the preceding table, are subject to minor corrections before their final publication in the Census Reports.

THE COTTON INDUSTRY. [187 Establishments.]

Classification.	Eleventh United States Census 1890	Classification.	Eleventh United States Census 1890
Capital invested,	$128,838,837	Persons employed,	75,544
Land, buildings, etc.,	$80,892,202	Males,	33,100
Live assets,	$47,946,635	Females,	38,352
		Children,	4,091
Value of stock used,	$56,492,875		
Raw cotton (pounds),	386,767,326	Officers and clerks,	669
Raw cotton (value),	$40,870,307	Males,	629
Cotton yarn (pounds),	11,247,478	Females,	40
Cotton yarn (value),	$2,785,544	Wages paid,	$25,118,365
Waste (pounds),	61,488,846		
Waste (value),	$2,732,648	Salaries paid,	$1,112,302
All other materials,	$10,103,876	Number of spindles,	5,824,518
		Mule,	2,430,719
Miscellaneous expenses,	$6,769,193	Frame,	3,393,799
Value of goods made,	$100,202,882	Number of looms,	133,227

* THE WOOL INDUSTRY. [365 Establishments.]

*Wool.**		*Active Machinery.*	
Number of establishments reporting,	336	Number of establishments reporting,	293
Capital invested,	$75,665,637	Sets of cards,	1,837
Land, buildings, etc.,	$32,977,313	Combing machines,	265
Live assets,	$42,688,324	Spindles,	780,774
Value of stock used,	$44,767,072	Looms,	16,354
		Knitting machines,	3,360
Miscellaneous expenses,	$4,959,715		
Value of goods made,	$72,681,408	*Idle Capital and Machinery.*	
Persons employed,	43,038	Number of establishments reporting,	43
Males (above 16 years),	22,358	Total capital,	$1,184,110
Females (above 15 years),	18,838	Land,	$135,395
Children,	1,842	Buildings,	$433,150
Wages paid,	$16,154,034	Machinery,	$615,565

* Includes establishments classed as woollen mills, worsted mills, wool hat factories, carpet mills (not including rag carpets), felt mills, and hosiery and knitting mills. Shoddy is excluded but is shown separately under this head.

THE WOOL INDUSTRY. [365 Establishments] — *Concluded.*

Classification.	Eleventh United States Census 1890	Classification.	Eleventh United States Census 1890
Idle Capital and Machinery—Con.		*Manufacture of Shoddy*—Con.	
Sets of cards,	135	Miscellaneous expenses,	$63,475
Spindles,	34,798	Value of goods made,	$1,614,459
Looms,	770	Shoddy (pounds),	10,018,424
Knitting machines,	318	Shoddy (value),	$1,418,817
		All other products,	$195,642
Manufacture of Shoddy.		Persons employed,	435
Number of establishments reporting,	29	Males (above 16 years),	329
Total capital,	$939,050	Females (above 15 years),	106
Value of stock used,	$1,170,080	Wages paid,	$180,748
		Sets of cards,	167

THE SILK INDUSTRY. [20 Establishments.]

Capital invested,	$3,353,296	Persons employed,	2,993
Land,	$77,300	Skilled operatives,	2,875
Buildings,	$287,500	Males (above 16),	892
Machinery and tools,	$591,908	Females (above 15),	1,927
Raw materials,	$277,583	Children,	56
Stock in process and product on hand,	$1,019,195	Unskilled labor,	118
Other live assets,	$1,099,810	Males (above 16),	85
Value of property hired,	$306,542	Females (above 15),	1
		Children,	32
Value of stock used,	$3,251,023		
Raw silk (pounds),	558,493	Officers and clerks,	223
Raw silk (value),	$2,128,772	Males,	215
Waste silk (pounds),	191,909	Females,	8
Waste silk (value),	$155,494		
All other materials,	$966,757	Wages paid,	$1,038,284
		Skilled operatives,	$993,400
Miscellaneous expenses,	$485,260	Unskilled labor,	$44,884
Rent,	$35,838		
Power and heat,	$870	Salaries paid,	$258,115
Taxes,	$21,889		
Insurance,	$12,908	Spindles,	111,838
Repairs,	$23,676	Winding, cleaning, and doubling,	26,235
Interest,	$91,989	Spinning and twisting,	55,200
Sundries,	$298,090	Braiding,	30,403
Value of goods made,	$5,557,569		
Organzine and tram,	$688,359	Hand looms,	96
Spun silk yarn,	$257,251	Broad,	41
Machine twist and sewing silk,	$2,216,213	Narrow,	55
Fringe-knitting, embroidery, and floss silk,	$499,131	Power looms,	444
Broad goods,	$784,719	Broad,	354
Gimps and trimmings,	$127,000	Narrow,	90
Braids and bindings,	$660,938		
Dress, cloak, and military trimmings,	$160,000	Machines,	121
Hosiery and knit goods,	$135,958	Jacquard,	42
All other products,	$28,000	Knitting,	68
		Sewing,	11

DYEING AND FINISHING TEXTILES. [33 Establishments]

Classification.	Eleventh United States Census 1890	Classification.	Eleventh United States Census 1890
Capital invested,	$11,996,154	Persons employed — Con.	
Land,	$673,931	Unskilled labor,	393
Buildings,	$2,010,637	Males,	363
Machinery and tools,	$2,502,895	Females,	23
Raw materials,	$717,428	Children,	7
Stock in process and finished product,	$2,773,377	Officers and clerks,	82
Other live assets,	$3,317,336	Males,	78
Value of property hired,	$139,500	Females,	4
Value of stock used,	$2,794,951	Wages paid,	$1,809,787
Miscellaneous expenses,	$876,062	Skilled labor,	$1,668,627
Rent,	$22,530	Unskilled labor,	$141,160
Power and heat,	$6,413	Salaries paid,	$99,320
Taxes,	$82,524	Steam power:	
Insurance,	$32,675	Boilers,	202
Repairs,	$251,799	Engines,	132
Interest,	$250,013	Horse power,	11,533
Sundries,	$229,128	Water power:	
Value of work done,	$6,496,215	Water wheels,	3
Bleaching,	$640,375	Horse power,	160
Dyeing,	$1,683,583	Turbine wheels,	7
Printing,	$3,997,087	Horse power,	663
All other work done,	$175,170	All other machinery:	
Persons employed,	4,270	Motors,	1
Skilled labor,	3,877	Horse power,	5
Males,	3,164	Printing machines,	77
Females,	516		
Children,	197		

THE MANUFACTURE OF IRON.

Charcoal blast furnaces,	4	Daily capacity (tons),	55
Completed stocks,	4	Total production charcoal pig iron (tons),	8,381

THE MANUFACTURE OF STEEL.

Number of steel works,	6	Open-hearth steel ingots or direct castings (tons),	13,967
Total production (tons),	30,252	Crucible steel ingots or direct castings (tons),	532
Bessemer steel ingots or direct castings (tons),	15,753		

MINES AND MINING.

Classification.	Eleventh United States Census 1890
Granite.	
Number of firms producing,	148
Number of quarries,	151
Capital invested,	$2,235,759
Land,	$1,099,563
Buildings and fixtures,	$212,645
Machinery, tools, etc.,	$567,703
Cash,	$355,848
Value of supplies and materials,	$278,056
Miscellaneous expenses,	$65,545
Value of product,	$2,503,503
Granite produced (cubic feet),	9,587,996
Persons employed,	3,333
Foremen,	136
Quarrymen,	1,613
Mechanics and stone cutters,	903
Laborers,	613
Boys under 16 years,	30
Office force,	38
Total wages and salaries,	$1,630,128
Average yearly earnings:	
Foremen,	$766.32
Quarrymen,	$388.96
Mechanics and stone cutters,	$639.73
Laborers,	$360.00
Boys under 16 years,	$159.04
Office force,	$911.21
Power:	
Boilers,	123
Horse power,	2,947
Animals,	484
Limestone.	
Number of quarries,	12
Capital invested,	$72,451
Land,	$30,350
Buildings and fixtures,	$14,750
Tools, etc.,	$14,081
Cash,	$13,270
Cost of supplies,	$46,732
Miscellaneous expenses,	$1,668
Value of product,	$119,978
Lime (barrels of 200 lbs.),	82,977
Lime (value),	$93,702
Miscellaneous,	$26,276
Persons employed,	103
Foremen,	9
Quarrymen,	66
Mechanics,	4
Laborers,	24
Limestone — Con.	
Wages paid,	$47,431
Average yearly earnings:	
Foremen,	$481.14
Quarrymen,	$385.50
Mechanics,	$385.99
Laborers,	$200.64
Power:	
Boilers,	2
Horse power,	52
Animals,	37
Mica.	
Number of miners,	4
Average wages per day,	$1.50
Average number of days worked,	180
Sandstone.	
Number of quarries,	21
Capital invested,	$373,862
Land,	$130,550
Buildings and fixtures,	$37,170
Tools, etc.,	$126,851
Cash,	$79,291
Cost of supplies,	$51,051
Miscellaneous expenses,	$44,316
Value of product,	$649,097
Sandstone produced (cubic feet),	1,967,179
Persons employed,	906
Foremen,	28
Quarrymen,	358
Mechanics and stone cutters,	161
Laborers,	347
Boys under 16 years,	2
Office force,	10
Wages and salaries paid,	$414,282
Average yearly earnings:	
Foremen,	$806.34
Quarrymen,	$418.00
Mechanics and stone cutters,	$676.26
Laborers,	$358.70
Boys under 16 years,	$90.00
Office force,	$852.84
Power:	
Boilers,	38
Horse power,	782
Animals,	289
Pyrites.	
Capital invested,	$258,882
Land,	$165,500

MINES AND MINING — *Concluded.*

Classification.	Eleventh United States Census 1890
Pyrites — Con.	
Capital invested — Con.	
Buildings, etc.,	$47,000
Tools, etc.,	$44,504
Cash,	$1,878
Cost of supplies,	$17,000
Miscellaneous expenses,	$10,262
Value of product,	$92,119
Quantity of product (short tons),	36,350
Persons employed,	71
Above ground,	29
Foremen,	1
Mechanics,	5
Laborers,	20
Boys under 16,	3
Below ground,	42
Foremen,	1
Miners,	25
Laborers,	16
Wages paid,	$10,379
Salaries to office force at mines,	$2,412
Paid to contractors,	$23,103

Classification.	Eleventh United States Census 1890
Ochre.	
Quantity of product (short tons),	80
Value,	$750
Diamond Cutting.	
Number of works,	3
Value of machinery,	$3,000
Quantity of material before cutting (carats),	4,100
Value of product,	$41,000
Watch jewels, etc., produced (carats),	1,580
Persons employed,	15
Men,	11
Boys,	4
Wages paid,	$14,934
Mineral Waters.	
Number of springs,	8
Capital invested,	$94,416
Supplies and materials,	$21,758
Miscellaneous expenses,	$6,106
Value of product,	$63,622
Product (gallons),	1,011,173
Wages paid,	$16,663

DISTILLED SPIRITS USED.

By Wholesale Druggists and Manufacturers.	Ordinary Gallons
Alcohol,	287,142
Cologne spirit,	32,392
High wines,	2,106
Whiskey,	29,343
Brandy,	5,256
Rum,	56,849
Gin,	4,190
*By Retail Apothecaries.**	
Alcohol,	62,681
Cologne spirit,	7,473
High wines,	1,224
Whiskey,	93,385
Brandy,	13,630
Rum,	45,193
Gin,	27,281

By Retail Apothecaries — Con.	Proof Gallons
Alcohol,	120
Cologne spirit,	5
Whiskey,	573
Brandy,	50
Rum,	140
Gin,	124
By Eleemosynary Institutions.	Ordinary Gallons
Alcohol,	861
High wines,	37
Whiskey,	1,442
Brandy,	947
Rum,	172
Gin,	97

* Reported use of both ordinary and proof gallons.

The office force engaged upon this document is organized as the Division of Manufactures. It consists of experienced and faithful clerks to whom my acknowledgments are due.

My especial thanks are returned to Mr. Frank H. Drown, Second Clerk of the Bureau, in direct charge of this Division, and to Mr. Charles F. Pidgin, Chief Clerk of the Bureau, for their continued efficient services generally and in connection with the preparation of this report.

H. G. W.

STATISTICS OF MANUFACTURES.

1892.

PRIVATE FIRMS AND CORPORATIONS; PARTNERS AND STOCKHOLDERS:

BY INDUSTRIES.

PRIVATE FIRMS AND CORPORATIONS; PARTNERS AND STOCKHOLDERS: BY INDUSTRIES.

1891.

[There are duplications in the columns devoted to "Number of Private Firms," "Partners," "Number of Corporations," and "Stockholders." These duplications are indicated by an asterisk (*). They are caused by the fact that the same firm or corporation is often engaged in manufacturing in two or more establishments located in different towns and sometimes in different industries. The plan adopted has been to consider each establishment (whether managed in connection with another or not) as one, and to credit the whole number of firms, partners, corporations, and stockholders to each industry, but to count them once only in making up the total for "All Industries."]

	Industries.	Number of Establishments Considered	Number of Private Firms	Partners	
				Males	Females
1	Agricultural implements,	11	6	8	-
2	Arms and ammunition,	13	7	11	-
3	Artisans' tools,	66	55	73	3
4	Awnings, sails, tents, etc.,	35	35	47	-
5	Boots and shoes,	731	*695	*[1]1,139	10
6	Boxes (paper and wooden),	144	*137	*194	3
7	Brick, tiles, and sewer pipe,	46	37	55	4
8	Brooms, brushes, and mops,	22	20	33	1
9	Burial cases, caskets, coffins, etc.,	6	5	6	-
10	Buttons and dress trimmings,	18	12	19	1
11	Carpetings,	12	5	5	-
12	Carriages and wagons,	129	118	[1]169	2
13	Cement, kaolin, lime, and plaster,	7	5	9	-
14	Chemical preparations (compounded),	11	7	9	2
15	Clocks, watches, and jewelry,	85	78	151	6
16	Clothing,	140	122	248	3
17	Cooking, lighting, and heating apparatus,	38	19	34	1
18	Cordage and twine,	30	15	19	1
19	Corks, bungs, and taps,	3	3	4	-
20	Cotton goods,	158	42	[1]71	10
21	Cotton, woollen, and other textiles,	3	1	3	-
22	Crayons, pencils, crucibles, etc.,	3	1	2	-
23	Drugs and medicines,	22	15	22	4
24	Dyestuffs,	6	3	4	1
25	Earthen, plaster, and stone ware,	6	5	9	-
26	Electrical apparatus and appliances,	17	9	13	-
27	Electroplating,	11	11	16	-
28	Emery and sand paper and cloth, etc.,	13	2	3	-
29	Fancy articles,	7	6	9	-
30	Fertilizers,	6	5	7	-

[1] Includes 1 estate.

PRIVATE FIRMS AND CORPORATIONS; PARTNERS AND STOCKHOLDERS: BY INDUSTRIES.

1891.

[There are duplications in the columns devoted to "Number of Private Firms," "Partners," "Number of Corporations," and "Stockholders." These duplications are indicated by an asterisk (*). They are caused by the fact that the same firm or corporation is often engaged in manufacturing in two or more establishments located in different towns and sometimes in different industries. The plan adopted has been to consider each establishment (whether managed in connection with another or not) as one, and to credit the whole number of firms, partners, corporations, and stockholders to each industry, but to count them once only in making up the total for "All Industries."]

Partners		Number of Corporations	Stockholders				Aggregates: Partners and Stockholders	
Special	Total		Males	Females	Banks, Trustees, etc.	Total		
-	8	5	63	20	1	84	92	1
-	11	6	156	32	1	189	200	2
-	76	11	345	213	54	612	688	3
-	47	-	-	-	-	-	47	4
13	*1,162	36	450	40	3	493	*1,655	5
2	*199	7	60	16	2	78	*277	6
-	59	9	194	56	3	253	312	7
-	34	2	23	11	4	38	72	8
-	6	1	29	5	5	39	45	9
1	21	6	60	17	3	80	101	10
-	5	7	441	339	177	957	962	11
3	174	11	125	56	18	199	373	12
-	9	2	15	2	-	17	26	13
-	11	4	29	4	3	36	47	14
2	159	7	187	27	-	214	373	15
1	252	18	368	131	16	515	767	16
1	36	19	226	62	10	298	334	17
3	23	15	356	128	16	500	523	18
-	4	-	-	-	-	-	4	19
5	86	*116	*9,842	*6,510	*2,413	*18,765	*18,851	20
-	3	*2	*197	*138	*117	*452	*455	21
-	2	2	43	11	-	54	56	22
-	26	7	75	29	4	108	134	23
-	5	3	22	3	-	25	30	24
-	9	1	10	2	-	12	21	25
-	13	8	1,776	694	21	2,491	2,504	26
-	16	-	-	-	-	-	16	27
-	3	11	92	16	1	109	112	28
-	9	*1	*3	-	-	*3	*12	29
-	7	1	87	10	-	97	104	30

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES — 1891 — Concluded.

	Industries.	Number of Establishments Considered	Number of Private Firms	Partners	
				Males	Females
1	Fine arts and taxidermy,	3	2	3	-
2	Fireworks and matches,	3	2	5	-
3	Flax, hemp, jute, and linen goods,	8	5	11	-
4	Food preparations,	292	264	370	3
5	Furniture,	142	129	[1] 226	4
6	Glass,	10	7	9	1
7	Glue, isinglass, and starch,	18	14	[2] 29	1
8	Hair work (animal and human),	10	10	7	3
9	Hose: rubber, linen, etc.,	4	1	1	-
10	Hosiery and knit goods,	40	28	43	2
11	Ink, mucilage, and paste,	9	9	14	-
12	Ivory, bone, shell, and horn goods, etc.,	12	12	20	1
13	Leather,	200	186	[2] 288	1
14	Liquors and beverages (not spirituous),	21	20	24	1
15	Liquors: malt, distilled, and fermented,	53	45	73	2
16	Lumber,	26	24	35	1
17	Machines and machinery,	324	243	[2] 350	11
18	Metals and metallic goods,	348	264	[1] 396	10
19	Mixed textiles,	13	6	7	-
20	Models and patterns,	9	9	14	-
21	Musical instruments and materials,	55	44	71	-
22	Oils and illuminating fluids,	9	7	11	-
23	Paints, colors, and crude chemicals,	21	16	34	-
24	Paper and paper goods,	104	*41	*91	-
25	Perfumes, toilet articles, etc.,	6	4	4	-
26	Photographs and photographic materials,	15	14	18	-
27	Polishes and dressing,	27	25	38	3
28	Printing, publishing, and bookbinding,	32	19	32	-
29	Print works, dye works, and bleacheries,	46	31	36	4
30	Railroad construction and equipment,	14	2	3	-
31	Rubber and elastic goods,	33	*19	*33	1
32	Scientific instruments and appliances,	20	15	23	2
33	Shipbuilding,	42	30	56	-
34	Silk and silk goods,	11	4	5	1
35	Sporting and athletic goods,	10	8	9	-
36	Stone,	193	179	289	7
37	Straw and palm leaf goods,	18	16	36	1
38	Tallow, candles, soap, and grease,	58	55	76	2
39	Tobacco, snuff, and cigars,	42	38	[2] 56	1
40	Toys and games (children's),	8	5	8	2
41	Trunks and valises,	7	7	11	-
42	Whips, lashes, and stocks,	12	6	11	-
43	Wooden goods,	182	171	236	3
44	Woollen goods,	142	106	[2] 164	9
45	Worsted goods,	22	12	22	-
46	All Industries,	4,473	3,638	[3] 5,668	129

[1] Includes 2 estates. [2] Includes 1 estate. [3] Includes 12 estates.

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES — 1891 — Concluded.

Partners		Number of Corporations	Stockholders				Aggregates: Partners and Stockholders	
Special	Total		Males	Females	Banks, Trustees, etc.	Total		
-	3	1	8	-	1	9	12	1
-	5	1	3	-	-	3	8	2
-	11	3	25	26	7	58	69	3
2	375	28	[1] 330	65	5	400	775	4
5	235	13	243	114	43	400	635	5
-	10	3	44	9	-	53	63	6
-	30	4	35	3	-	38	68	7
-	10	-	-	-	-	-	10	8
-	1	3	84	12	5	101	102	9
1	46	*12	*435	*290	*228	*953	*999	10
-	14	-	-	-	-	-	14	11
1	22	-	-	-	-	-	22	12
6	295	14	129	46	-	175	470	13
-	25	1	19	7	-	26	51	14
-	75	8	[2] 68	1	-	69	144	15
-	36	2	21	17	3	41	77	16
6	367	81	1,485	453	151	2,089	2,456	17
-	406	84	1,179	419	123	1,721	2,127	18
-	7	7	48	9	1	58	65	19
-	14	-	-	-	-	-	14	20
-	71	11	144	55	4	203	274	21
-	11	2	39	21	1	61	72	22
1	35	5	88	8	-	96	131	23
-	*91	*63	*819	*359	*50	*1,228	*1,319	24
-	4	2	7	-	-	7	11	25
-	18	1	18	-	-	18	36	26
-	41	2	13	3	-	16	57	27
-	32	13	69	16	26	111	143	28
2	42	*15	*541	*452	*322	*1,315	*1,357	29
-	3	12	[3] 31	7	2	40	43	30
-	*34	*14	*412	*270	*53	*735	*769	31
-	25	5	86	8	1	95	120	32
1	57	3	38	15	3	56	113	33
-	6	7	187	47	6	240	246	34
-	9	2	7	1	-	8	17	35
-	296	14	268	113	18	399	695	36
-	37	2	8	5	-	13	50	37
-	78	3	10	1	-	11	89	38
-	57	4	37	1	1	39	96	39
-	10	3	18	-	-	18	28	40
-	11	-	-	-	-	-	11	41
-	11	6	92	25	2	119	130	42
2	241	11	144	14	3	161	402	43
1	174	36	562	323	166	1,051	1,225	44
-	22	*10	*284	*108	*36	*428	*450	45
59	5,856	815	[4] 22,513	11,292	3,579	37,384	43,240	46

[1] Includes 5 syndicates.
[2] Includes 4 syndicates.
[3] Includes 10 railroads.
[4] Includes 9 syndicates and 10 railroads.

PRIVATE FIRMS AND CORPORATIONS; PARTNERS AND STOCKHOLDERS: BY INDUSTRIES.

1892.

[There are duplications in the columns devoted to "Number of Private Firms," "Partners," "Number of Corporations," and "Stockholders." These duplications are indicated by an asterisk (*). They are caused by the fact that the same firm or corporation is often engaged in manufacturing in two or more establishments located in different towns and sometimes in different industries. The plan adopted has been to consider each establishment (whether managed in connection with another or not) as one, and to credit the whole number of firms, partners, corporations, and stockholders to each industry, but to count them once only in making up the total for "All Industries."]

	Industries.	Number of Establishments Considered	Number of Private Firms	Partners	
				Males	Females
1	Agricultural implements,	11	6	8	-
2	Arms and ammunition,	13	7	11	-
3	Artisans' tools,	66	54	74	3
4	Awnings, sails, tents, etc.,	35	35	47	-
5	Boots and shoes,	731	*688	*[1] 1,112	9
6	Boxes (paper and wooden),	144	*134	*195	2
7	Brick, tiles, and sewer pipe,	46	36	55	5
8	Brooms, brushes, and mops,	22	20	33	2
9	Burial cases, caskets, coffins, etc.,	6	5	6	-
10	Buttons and dress trimmings,	18	12	19	1
11	Carpetings,	12	5	5	-
12	Carriages and wagons,	129	116	[1] 162	-
13	Cement, kaolin, lime, and plaster,	7	5	9	-
14	Chemical preparations (compounded),	11	7	9	2
15	Clocks, watches, and jewelry,	85	78	149	7
16	Clothing,	140	119	239	2
17	Cooking, lighting, and heating apparatus,	38	21	34	1
18	Cordage and twine,	30	15	19	1
19	Corks, bungs, and taps,	3	3	4	-
20	Cotton goods,	158	38	[1] 72	7
21	Cotton, woollen, and other textiles,	3	1	3	-
22	Crayons, pencils, crucibles, etc.,	3	1	2	-
23	Drugs and medicines,	22	15	22	4
24	Dyestuffs,	6	3	4	1
25	Earthen, plaster, and stone ware,	6	5	9	-
26	Electrical apparatus and appliances,	17	9	13	-
27	Electroplating,	11	11	16	-
28	Emery and sand paper and cloth, etc.,	13	2	3	-
29	Fancy articles,	7	5	8	-
30	Fertilizers,	6	5	7	-

[1] Includes 1 estate.

PRIVATE FIRMS AND CORPORATIONS; PARTNERS AND STOCKHOLDERS: BY INDUSTRIES.

1892.

[There are duplications in the columns devoted to "Number of Private Firms," "Partners," "Number of Corporations," and "Stockholders." These duplications are indicated by an asterisk (*). They are caused by the fact that the same firm or corporation is often engaged in manufacturing in two or more establishments located in different towns and sometimes in different industries. The plan adopted has been to consider each establishment (whether managed in connection with another or not) as one, and to credit the whole number of firms, partners, corporations, and stockholders to each industry, but to count them once only in making up the total for "All Industries."]

Partners		Number of Corporations	Stockholders				Aggregates: Partners and Stockholders	
Special	Total		Males	Females	Banks, Trustees, etc.	Total		
-	8	5	65	21	1	87	95	1
1	12	6	154	34	1	189	201	2
-	77	12	352	236	54	642	719	3
-	47	-	-	-	-	-	47	4
17	*1,138	43	468	48	2	518	*1,656	5
1	*198	10	76	19	1	96	*294	6
-	60	10	217	68	1	286	346	7
-	35	2	23	11	3	37	72	8
-	6	1	29	5	5	39	45	9
1	21	6	61	16	2	79	100	10
-	5	7	453	359	168	980	985	11
2	164	13	212	66	18	296	460	12
-	9	2	16	2	1	19	28	13
-	11	4	31	7	3	41	52	14
2	158	7	224	31	-	255	413	15
1	242	21	413	154	21	588	830	16
1	36	17	213	67	8	288	324	17
2	22	15	465	78	9	552	574	18
-	4	-	-	-	-	-	4	19
-	79	*120	*9,754	*7,069	*2,379	*19,202	*19,281	20
-	3	*2	*192	*150	*115	*457	*460	21
-	2	2	37	13	-	50	52	22
-	26	7	88	30	4	122	148	23
-	5	3	22	3	-	25	30	24
-	9	1	11	3	-	14	23	25
-	13	8	2,055	771	15	2,841	2,854	26
-	16	-	-	-	-	-	16	27
-	3	11	105	15	1	121	124	28
-	8	*2	*7	*3	-	*10	*18	29
-	7	1	104	46	-	150	157	30

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES — 1892 — Concluded.

	Industries.	Number of Establishments Considered	Number of Private Firms	Partners	
				Males	Females
1	Fine arts and taxidermy,	3	2	3	-
2	Fireworks and matches,	3	1	3	-
3	Flax, hemp, jute, and linen goods,	8	5	12	-
4	Food preparations,	292	261	[1] 356	7
5	Furniture,	142	129	[2] 218	6
6	Glass,	10	7	9	1
7	Glue, isinglass, and starch,	18	14	[1] 26	1
8	Hair work (animal and human),	10	10	8	2
9	Hose: rubber, linen, etc.,	4	1	1	-
10	Hosiery and knit goods,	40	*26	*46	2
11	Ink, mucilage, and paste,	9	9	16	-
12	Ivory, bone, shell, and horn goods, etc.,	12	12	20	1
13	Leather,	200	184	[1] 292	-
14	Liquors and beverages (not spirituous),	21	20	23	1
15	Liquors: malt, distilled, and fermented,	53	44	72	6
16	Lumber,	26	24	34	1
17	Machines and machinery,	324	239	[2] 346	11
18	Metals and metallic goods,	348	263	[3] 400	11
19	Mixed textiles,	13	6	7	-
20	Models and patterns,	9	9	13	-
21	Musical instruments and materials,	55	40	65	-
22	Oils and illuminating fluids,	9	7	10	1
23	Paints, colors, and crude chemicals,	21	16	34	-
24	Paper and paper goods,	104	*40	*89	-
25	Perfumes, toilet articles, etc.,	6	4	4	-
26	Photographs and photographic materials,	15	14	17	1
27	Polishes and dressing,	27	25	39	3
28	Printing, publishing, and bookbinding,	32	20	31	1
29	Print works, dye works, and bleacheries,	46	31	38	3
30	Railroad construction and equipment,	14	2	3	-
31	Rubber and elastic goods,	33	*17	*29	1
32	Scientific instruments and appliances,	20	15	23	2
33	Shipbuilding,	42	39	56	-
34	Silk and silk goods,	11	4	5	1
35	Sporting and athletic goods,	10	8	9	-
36	Stone,	193	178	279	7
37	Straw and palm leaf goods,	18	16	35	1
38	Tallow, candles, soap, and grease,	58	55	76	1
39	Tobacco, snuff, and cigars,	42	37	[1] 55	1
40	Toys and games (children's),	8	5	8	2
41	Trunks and valises,	7	7	11	-
42	Whips, lashes, and stocks,	12	6	11	-
43	Wooden goods,	182	170	232	5
44	Woollen goods,	142	105	[2] 162	8
45	Worsted goods,	22	10	17	-
46	All Industries,	4,473	3,591	[4] 5,565	135

[1] Includes 1 estate. [2] Includes 2 estates.
[3] Includes 3 estates. [4] Includes 16 estates.

PRIVATE FIRMS, PARTNERS, ETC.: BY INDUSTRIES—1892 —Concluded.

Partners		Number of Corporations	Stockholders				Aggregates: Partners and Stockholders	
Special	Total		Males	Females	Banks, Trustees, etc.	Total		
-	3	1	9	1	1	11	14	1
-	3	2	6	-	-	6	9	2
-	12	3	24	28	6	58	70	3
2	365	31	[1] 359	78	5	442	807	4
5	229	13	277	117	-	394	623	5
-	10	3	49	12	-	61	71	6
-	27	4	35	3	-	38	65	7
-	10	-	-	-	-	-	10	8
-	1	3	79	13	5	97	98	9
-	*48	*14	*459	*317	*240	*1,016	*1,064	10
-	16	-	-	-	-	-	16	11
1	22	-	-	-	-	-	22	12
5	297	16	222	52	-	274	571	13
1	25	1	24	8	-	32	57	14
-	78	9	[2] 69	8	1	78	156	15
-	35	2	27	21	3	51	86	16
3	360	85	1,666	539	166	2,371	2,731	17
2	413	85	1,283	498	83	1,864	2,277	18
-	7	7	47	9	-	56	63	19
-	13	-	-	-	-	-	13	20
-	65	15	175	62	1	238	303	21
-	11	2	35	21	1	57	68	22
1	35	5	88	8	-	96	131	23
-	*89	*64	*821	*370	*55	*1,246	*1,335	24
-	4	2	7	-	-	7	11	25
-	18	1	19	-	-	19	37	26
-	42	2	11	3	1	15	57	27
-	32	12	67	20	24	111	143	28
2	43	*15	*617	*474	*452	*1,543	*1,586	29
-	3	12	[3] 31	7	2	40	43	30
-	*30	*16	*389	*270	*60	*719	*749	31
-	25	5	79	8	5	92	117	32
1	57	3	39	15	1	55	112	33
-	6	7	197	47	2	246	252	34
-	9	2	7	1	-	8	17	35
3	289	15	295	108	10	413	702	36
-	36	2	10	5	-	15	51	37
-	77	3	10	1	-	11	88	38
1	57	5	40	3	-	43	100	39
-	10	3	21	-	-	21	31	40
-	11	-	-	-	-	-	11	41
-	11	6	93	31	7	131	142	42
2	239	12	121	19	11	151	390	43
1	171	37	564	335	162	1,061	1,232	44
-	17	12	311	125	45	481	498	45
58	5,758	861	[4] 23,679	12,315	3,607	39,601	45,359	46

[1] Includes 5 syndicates.
[2] Includes 4 syndicates.
[3] Includes 10 railroads.
[4] Includes 9 syndicates and 10 railroads.

CAPITAL INVESTED:

BY INDUSTRIES.

CAPITAL INVESTED: BY INDUSTRIES.

1891, 1892.

[In this presentation, the figures given under "Amount of Capital Invested" represent the returns made by the same establishments, in each industry, for the years 1891 and 1892, the whole number of establishments considered in "All Industries" being 4,473. Comparison is made, as regards the amount of capital invested, between these two years. The relative increase or decrease in 1892 as compared with 1891 is given with its equivalent percentage.]

Industries.	Number of Establishments Considered	Amount of Capital Invested		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Agricultural implements,	11	$1,283,071	$1,395,811	+$112,740	+8.79
Arms and ammunition,	13	4,835,657	4,940,960	+105,303	+2.18
Artisans' tools,	66	2,834,228	2,802,372	—31,856	—1.12
Awnings, sails, tents, etc.,	35	171,900	185,425	+13,525	+7.87
Boots and shoes,	731	30,355,294	31,038,328	+683,034	+2.25
Boxes (paper and wooden),	144	2,440,584	2,566,803	+126,219	+5.17
Brick, tiles, and sewer pipe,	46	1,556,345	1,662,676	+106,331	+6.83
Brooms, brushes, and mops,	22	848,373	823,644	—24,729	—2.91
Burial cases, caskets, coffins, etc.,	6	366,369	358,009	—8,360	—2.28
Buttons and dress trimmings,	18	912,263	938,781	+26,518	+2.91
Carpetings,	12	7,937,108	8,078,754	+141,646	+1.78
Carriages and wagons,	129	3,321,030	3,352,995	+31,965	+0.96
Cement, kaolin, lime, and plaster,	7	113,566	90,300	—23,266	—20.49
Chemical preparations (compounded),	11	798,707	811,857	+13,150	+1.65
Clocks, watches, and jewelry,	85	5,201,554	4,997,242	—204,312	—3.93
Clothing,	140	10,972,721	11,258,779	+286,058	+2.61
Cooking, lighting, and heating apparatus,	38	2,934,717	2,916,627	—18,090	—0.62
Cordage and twine,	30	6,558,865	5,579,269	—979,596	—14.94
Corks, bungs, and taps,	3	19,000	28,500	+9,500	+50.00
Cotton goods,	158	117,585,568	120,623,314	+3,037,746	+2.58
Cotton, woollen, and other textiles,	3	3,535,953	3,564,471	+28,518	+0.81
Crayons, pencils, crucibles, etc.,	3	174,275	60,000	—114,275	—65.57
Drugs and medicines,	22	1,409,018	1,335,892	—73,126	—5.19
Dyestuffs,	6	618,000	696,997	+78,997	+12.78
Earthen, plaster, and stone ware,	6	345,000	383,000	+38,000	+11.01
Electrical apparatus and appliances,	17	10,686,418	10,827,804	+141,386	+1.32
Electroplating,	11	52,400	51,100	—1,300	—2.48
Emery and sand paper and cloth, etc.,	13	799,682	883,853	+84,171	+10.53
Fancy articles,	7	90,660	94,710	+4,050	+4.47
Fertilizers,	6	154,470	281,267	+126,797	+82.09
Fine arts and taxidermy,	3	12,000	16,500	+4,500	+37.50
Fireworks and matches,	3	42,000	45,000	+3,000	+7.14
Flax, hemp, jute, and linen goods,	8	2,403,554	2,596,300	+192,746	+8.02
Food preparations,	292	15,023,150	15,571,984	+548,834	+3.65
Furniture,	142	6,543,914	6,763,638	+219,724	+3.36

CAPITAL INVESTED: BY INDUSTRIES — 1891, 1892 — Concluded.

Industries.	Number of Establishments Considered	Amount of Capital Invested		Increase (+), or Decrease (−), in 1892	
		1891	1892	Amounts	Percentages
Glass,	10	$482,000	$553,500	+$71,500	+14.83
Glue, isinglass, and starch,	18	1,085,315	1,144,132	+58,817	+5.42
Hair work (animal and human),	10	199,500	206,500	+7,000	+3.51
Hose: rubber, linen, etc.,	4	895,000	795,681	−99,319	−11.10
Hosiery and knit goods,	40	4,083,778	4,100,361	+16,583	+0.41
Ink, mucilage, and paste,	9	605,733	792,500	+186,767	+30.83
Ivory, bone, shell, and horn goods, etc.,	12	222,100	232,183	+10,083	+4.54
Leather,	200	7,919,761	9,024,408	+1,104,647	+13.95
Liquors and beverages (not spirituous),	21	325,000	325,205	+205	+0.06
Liquors: malt, distilled, and fermented,	53	6,025,024	6,867,084	+842,060	+13.98
Lumber,	26	2,834,386	2,587,120	−247,266	−8.72
Machines and machinery,	324	25,353,690	26,467,456	+1,113,766	+4.39
Metals and metallic goods,	348	19,385,517	21,802,040	+2,416,523	+12.47
Mixed textiles,	13	1,122,283	1,603,883	+481,600	+42.91
Models and patterns,	9	41,997	41,485	−512	−1.22
Musical instruments and materials,	55	4,731,865	4,822,758	+90,893	+1.92
Oils and illuminating fluids,	9	761,220	601,000	−160,220	−21.05
Paints, colors, and crude chemicals,	21	1,353,482	1,181,405	−172,077	−12.71
Paper and paper goods,	104	22,477,298	23,499,553	+1,022,255	+4.55
Perfumes, toilet articles, etc.,	6	165,000	154,000	−11,000	−6.67
Photographs and photographic materials,	15	211,000	202,625	−8,375	−3.97
Polishes and dressing,	27	837,793	891,937	+54,144	+6.46
Printing, publishing, and bookbinding,	32	3,426,997	3,640,634	+213,637	+6.23
Print works, dye works, and bleacheries,	46	12,964,422	15,925,606	+2,961,184	+22.84
Railroad construction and equipment,	14	1,765,000	1,777,000	+12,000	+0.68
Rubber and elastic goods,	33	12,379,013	10,629,092	−1,749,921	−14.14
Scientific instruments and appliances,	20	1,469,973	1,578,999	+109,026	+7.42
Shipbuilding,	42	971,900	908,562	−63,338	−6.52
Silk and silk goods,	11	2,336,717	2,325,741	−10,976	−0.47
Sporting and athletic goods,	10	328,382	332,763	+4,381	+1.33
Stone,	193	3,563,220	3,846,820	+283,600	+7.96
Straw and palm leaf goods,	18	1,558,214	1,835,135	+276,921	+17.77
Tallow, candles, soap, and grease,	58	1,693,022	1,696,435	+3,413	+0.20
Tobacco, snuff, and cigars,	42	1,804,605	1,044,294	−760,311	−42.13
Toys and games (children's),	8	334,000	344,000	+10,000	+2.99
Trunks and valises,	7	90,200	85,900	−4,300	−4.77
Whips, lashes, and stocks,	12	647,635	666,104	+18,469	+2.85
Wooden goods,	182	3,766,486	3,908,281	+141,795	+3.76
Woollen goods,	142	27,728,471	28,440,826	+712,355	+2.57
Worsted goods,	22	10,807,298	10,899,489	+92,191	+0.85
All Industries,	4,473	$431,691,711	$445,405,459	+$13,713,748	+3.18

STOCK USED: BY INDUSTRIES.

STOCK USED: BY INDUSTRIES.

1891, 1892.

[In this presentation, the figures given under "Value of Stock Used" represent the returns made by the same establishments, in each industry, for the years 1891 and 1892, the whole number of establishments considered in "All Industries" being 4,473. Comparison is made, as regards value of stock used, between these two years. The relative increase or decrease in 1892 as compared with 1891 is given with its equivalent percentage.]

Industries.	Number of Establishments Considered	Value of Stock Used		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Agricultural implements,	11	$534,142	$571,330	+$37,188	+6.96
Arms and ammunition,	13	578,807	582,811	+4,004	+0.69
Artisans' tools,	66	610,223	847,252	+237,029	+38.84
Awnings, sails, tents, etc.,	35	273,172	314,041	+40,869	+14.96
Boots and shoes,	731	58,601,177	65,181,630	+6,580,453	+11.23
Boxes (paper and wooden),	144	2,487,348	2,737,215	+249,867	+10.05
Brick, tiles, and sewer pipe,	46	431,631	408,766	—22,865	—5.30
Brooms, brushes, and mops,	22	780,129	848,758	+68,629	+8.80
Burial cases, caskets, coffins, etc.,	6	192,671	193,735	+1,064	+0.55
Buttons and dress trimmings,	18	650,635	702,832	+52,197	+8.02
Carpetings,	12	5,404,428	5,420,996	+16,568	+0.31
Carriages and wagons,	129	1,913,039	2,055,369	+142,330	+7.44
Cement, kaolin, lime, and plaster,	7	118,393	167,540	+49,147	+41.51
Chemical preparations (compounded),	11	575,990	650,250	+74,260	+12.89
Clocks, watches, and jewelry,	85	1,916,344	2,103,782	+187,438	+9.78
Clothing,	140	15,174,427	16,925,172	+1,750,745	+11.54
Cooking, lighting, and heating apparatus,	38	1,155,349	1,232,255	+76,906	+6.66
Cordage and twine,	30	7,171,427	7,488,373	+316,946	+4.42
Corks, bungs, and taps,	3	12,125	15,449	+3,324	+27.41
Cotton goods,	158	52,058,721	47,940,696	—4,118,025	—7.91
Cotton, woollen, and other textiles,	3	2,411,371	1,780,097	—631,274	—26.18
Crayons, pencils, crucibles, etc.,	3	40,642	29,639	—11,003	—27.07
Drugs and medicines,	22	2,078,437	2,120,765	+42,328	+2.04
Dyestuffs,	6	893,069	805,563	—87,506	—9.80
Earthen, plaster, and stone ware,	6	99,135	88,669	—10,466	—10.56
Electrical apparatus and appliances,	17	5,296,647	3,471,391	—1,825,256	—34.46
Electroplating,	11	24,362	23,251	—1,111	—4.56
Emery and sand paper and cloth, etc.,	13	383,648	391,594	+7,946	+2.07
Fancy articles,	7	128,843	139,775	+10,932	+8.48
Fertilizers,	6	171,271	179,089	+7,818	+4.56
Fine arts and taxidermy,	3	2,525	3,375	+850	+33.66
Fireworks and matches,	3	28,761	38,027	+9,266	+32.22
Flax, hemp, jute, and linen goods,	8	2,205,167	2,021,056	—184,111	—8.35
Food preparations,	292	48,101,437	53,502,753	+5,401,316	+11.23
Furniture,	142	4,743,233	5,579,338	+836,105	+17.63

STOCK USED: BY INDUSTRIES — 1891, 1892 — Concluded.

Industries.	Number of Establishments Considered	Value of Stock Used		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Glass,	10	$163,715	$185,225	+$21,510	+13.14
Glue, isinglass, and starch,	18	668,261	701,027	+32,766	+4.90
Hair work (animal and human),	10	365,749	417,516	+51,767	+14.15
Hose: rubber, linen, etc.,	4	576,502	587,195	+10,693	+1.85
Hosiery and knit goods,	40	3,223,419	2,955,545	—267,874	—8.31
Ink, mucilage, and paste,	9	385,971	547,540	+161,569	+41.86
Ivory, bone, shell, and horn goods, etc.,	12	251,259	260,888	+9,629	+3.83
Leather,	200	12,623,212	13,786,829	+1,163,617	+9.22
Liquors and beverages (not spirituous),	21	379,582	387,599	+8,017	+2.11
Liquors: malt, distilled, and fermented,	53	3,403,256	3,242,331	—160,925	—4.73
Lumber,	26	1,649,745	1,788,870	+139,125	+8.43
Machines and machinery,	324	9,673,407	10,195,923	+522,516	+5.40
Metals and metallic goods,	348	12,640,209	13,336,228	+696,019	+5.51
Mixed textiles,	13	1,130,256	1,355,748	+225,492	+19.95
Models and patterns,	9	37,282	48,649	+11,367	+30.49
Musical instruments and materials,	55	2,230,291	2,390,425	+160,134	+7.18
Oils and illuminating fluids,	9	1,111,812	902,161	—209,651	—18.86
Paints, colors, and crude chemicals,	21	800,989	784,786	—16,203	—2.02
Paper and paper goods,	104	15,902,073	16,485,260	+583,187	+3.67
Perfumes, toilet articles, etc.,	6	124,075	148,445	+24,370	+19.64
Photographs and photographic materials,	15	88,317	104,068	+15,751	+17.83
Polishes and dressing,	27	995,917	1,110,679	+114,762	+11.52
Printing, publishing, and bookbinding,	32	939,324	962,353	+23,029	+2.45
Print works, dye works, and bleacheries,	46	12,525,200	14,634,411	+2,109,211	+16.84
Railroad construction and equipment,	14	2,091,335	2,226,418	+135,083	+6.46
Rubber and elastic goods,	33	10,990,067	11,491,217	+501,150	+4.56
Scientific instruments and appliances,	20	753,221	899,330	+146,109	+19.40
Shipbuilding,	42	512,312	491,289	—21,023	—4.10
Silk and silk goods,	11	3,139,993	3,132,542	—7,451	—0.24
Sporting and athletic goods,	10	225,729	269,586	+43,857	+19.43
Stone,	193	1,189,573	1,142,111	—47,462	—3.99
Straw and palm leaf goods,	18	2,398,646	2,333,747	—64,899	—2.71
Tallow, candles, soap, and grease,	58	2,303,722	2,387,696	+83,974	+3.65
Tobacco, snuff, and cigars,	42	1,244,517	1,524,285	+279,768	+22.48
Toys and games (children's),	8	216,981	237,243	+20,262	+9.34
Trunks and valises,	7	148,182	158,204	+10,022	+6.76
Whips, lashes, and stocks,	12	371,116	405,227	+34,111	+9.19
Wooden goods,	182	3,083,672	3,205,640	+121,968	+3.96
Woollen goods,	142	21,515,129	21,390,933	—124,196	—0.58
Worsted goods,	22	11,755,469	12,216,316	+460,847	+3.92
All Industries,	4,473	$361,078,213	$377,394,119	+$16,315,906	+4.52

GOODS MADE: BY INDUSTRIES.

GOODS MADE: BY INDUSTRIES.

1891, 1892.

[In this presentation, the figures given under "Value of Goods Made and Work Done" represent the returns made by the same establishments, in each industry, for the years 1891 and 1892, the whole number of establishments considered in "All Industries" being 4,473. Comparison is made, as regards the value of goods made and work done, between these two years. The relative increase or decrease in 1892 as compared with 1891 is given with its equivalent percentage.]

Industries.	Number of Establishments Considered	Value of Goods Made and Work Done		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Agricultural implements,	11	$1,196,237	$1,212,890	+$16,653	+1.39
Arms and ammunition,	13	2,445,667	2,473,286	+27,619	+1.13
Artisans' tools,	66	2,735,466	2,751,859	+16,393	+0.60
Awnings, sails, tents, etc.,	35	528,869	544,413	+15,544	+2.94
Boots and shoes,	731	99,394,318	108,347,615	+8,953,297	+9.01
Boxes (paper and wooden),	144	4,720,828	5,081,143	+360,315	+7.63
Brick, tiles, and sewer pipe,	46	1,498,114	1,478,979	—19,135	—1.28
Brooms, brushes, and mops,	22	1,357,481	1,493,787	+136,306	+10.04
Burial cases, caskets, coffins, etc.,	6	322,096	319,750	—2,346	—0.73
Buttons and dress trimmings,	18	1,438,268	1,566,020	+127,752	+8.88
Carpetings,	12	9,458,306	8,659,903	—798,403	—8.44
Carriages and wagons,	129	4,671,961	4,720,832	+48,871	+1.05
Cement, kaolin, lime, and plaster,	7	171,081	239,886	+68,805	+40.22
Chemical preparations (compounded),	11	1,052,753	1,236,122	+183,369	+17.42
Clocks, watches, and jewelry,	85	5,956,358	6,229,540	+273,182	+4.59
Clothing,	140	27,144,368	28,602,244	+1,457,876	+5.37
Cooking, lighting, and heating apparatus,	38	3,660,005	3,731,195	+71,190	+1.95
Cordage and twine,	30	9,304,110	10,064,154	+760,044	+8.17
Corks, bungs, and taps,	3	39,150	41,667	+2,517	+6.43
Cotton goods,	158	89,558,854	91,967,815	+2,408,961	+2.69
Cotton, woollen, and other textiles,	3	3,673,724	3,352,505	—321,219	—8.74
Crayons, pencils, crucibles, etc.,	3	129,685	62,054	—67,631	—52.15
Drugs and medicines,	22	3,448,177	3,457,803	+9,626	+0.28
Dyestuffs,	6	1,115,256	1,012,051	—103,205	—9.25
Earthen, plaster, and stone ware,	6	381,572	336,787	—44,785	—11.74
Electrical apparatus and appliances,	17	11,020,237	8,235,713	—2,784,524	—25.27
Electroplating,	11	111,797	115,242	+3,445	+3.08
Emery and sandpaper and cloth, etc.,	13	935,867	945,917	+10,050	+1.07
Fancy articles,	7	265,092	282,291	+17,199	+6.49
Fertilizers,	6	255,412	264,204	+8,792	+3.44
Fine arts and taxidermy,	3	14,000	19,800	+5,800	+41.43
Fireworks and matches,	3	99,113	129,687	+30,574	+30.85
Flax, hemp, jute, and linen goods,	8	3,074,929	2,955,559	—119,370	—3.88
Food preparations,	292	57,910,528	63,373,882	+5,463,354	+9.43
Furniture,	142	11,163,894	12,856,202	+1,692,308	+15.16

GOODS MADE: BY INDUSTRIES — 1891, 1892 — Concluded.

Industries.	Number of Establishments Considered	Value of Goods Made and Work Done		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Glass,	10	$652,523	$677,304	+$24,781	+3.80
Glue, isinglass, and starch,	18	1,109,942	1,163,977	+54,035	+4.87
Hair work (animal and human),	10	533,730	647,648	+113,918	+21.34
Hose: rubber, linen, etc.,	4	781,697	956,568	+174,871	+22.37
Hosiery and knit goods,	40	5,396,472	5,703,475	+307,003	+5.69
Ink, mucilage, and paste,	9	731,411	920,966	+189,555	+25.92
Ivory, bone, shell, and horn goods, etc.,	12	557,201	558,665	+1,464	+0.26
Leather,	200	18,348,246	20,355,090	+2,006,844	+10.94
Liquors and beverages (not spirituous),	21	692,224	772,068	+79,844	+11.53
Liquors: malt, distilled, and fermented,	53	7,709,278	8,001,034	+291,756	+3.78
Lumber,	26	2,758,204	3,161,146	+402,942	+14.61
Machines and machinery,	324	25,794,797	26,867,581	+1,072,784	+4.16
Metals and metallic goods,	348	26,132,972	27,207,374	+1,074,402	+3.95
Mixed textiles,	13	1,820,242	2,061,130	+240,888	+13.23
Models and patterns,	9	123,200	146,673	+23,473	+19.05
Musical instruments and materials,	55	5,858,029	5,839,648	—18,381	—0.31
Oils and illuminating fluids,	9	1,308,633	1,048,102	—260,531	—19.91
Paints, colors, and crude chemicals,	21	1,282,392	1,295,409	+13,017	+1.02
Paper and paper goods,	104	26,195,728	28,169,676	+1,973,948	+7.54
Perfumes, toilet articles, etc.,	6	333,825	298,481	—35,344	—10.59
Photographs and photographic materials,	15	315,859	315,559	—300	—0.09
Polishes and dressing,	27	1,787,298	1,944,174	+156,876	+8.78
Printing, publishing, and bookbinding,	32	3,596,242	3,809,237	+212,995	+5.92
Print works, dye works, and bleacheries,	46	18,095,106	21,000,181	+2,905,075	+16.05
Railroad construction and equipment,	14	3,959,211	4,275,835	+316,624	+8.00
Rubber and elastic goods,	33	18,855,920	20,300,517	+1,444,597	+7.66
Scientific instruments and appliances,	20	1,636,041	1,815,039	+178,998	+10.94
Shipbuilding,	42	1,497,171	1,348,242	—148,929	—9.95
Silk and silk goods,	11	4,688,054	4,940,228	+252,174	+5.38
Sporting and athletic goods,	10	485,043	551,763	+66,720	+13.76
Stone,	193	5,196,117	4,691,803	—504,314	—9.71
Straw and palm leaf goods,	18	4,522,291	4,474,846	—47,445	—1.05
Tallow, candles, soap, and grease,	58	3,362,939	3,469,506	+106,567	+3.17
Tobacco, snuff, and cigars,	42	2,662,057	3,189,533	+527,476	+19.81
Toys and games (children's),	8	560,934	632,682	+71,748	+12.79
Trunks and valises,	7	269,465	295,119	+25,654	+9.52
Whips, lashes, and stocks,	12	942,813	1,002,642	+59,829	+6.35
Wooden goods,	182	6,440,457	6,729,296	+288,839	+4.48
Woollen goods,	142	34,551,569	35,673,477	+1,121,908	+3.25
Worsted goods,	22	16,548,791	17,054,071	+505,280	+3.05
All Industries,	4,473	$618,347,697	$651,528,562	+$33,180,865	+5.37

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE FIVE YEARS

1888—1892.

[In this presentation, the figures given under "Value of Goods Made and Work Done" represent the returns made by the same establishments, in each industry considered, for each of the five years 1888, 1889, 1890, 1891, and 1892, the whole number of establishments represented being 1,195. The table allows of comparison being made, as regards the value of goods made and work done, between any two years of the five years for which figures are given. The relative increase or decrease in 1889 as compared with 1888, in 1890 as compared with 1889, in 1891 as compared with 1890, and in 1892 as compared with 1891, is given, with its equivalent percentage.]

Industries, and Years.	Number of Establishments Considered	Value of Goods Made and Work Done	Increase (+), or Decrease (—), as Compared with Previous Year	
			Amounts	Percentages
Agricultural Implements.				
1888,	5	$1,276,435	-	-
1889,	5	1,305,138	+$28,703	+2.25
1890,	5	1,367,341	+62,203	+4.77
1891,	5	1,163,853	—203,488	—14.88
1892,	5	1,177,776	+13,923	+1.20
Arms and Ammunition.				
1888,	8	$1,757,268	-	-
1889,	8	1,769,261	+$11,993	+0.68
1890,	8	1,829,144	+59,883	+3.38
1891,	8	2,134,398	+305,254	+16.69
1892,	8	2,180,303	+45,905	+2.15
Artisans' Tools.				
1888,	8	$1,306,158	-	-
1889,	8	1,193,965	—$112,193	—8.59
1890,	8	1,360,209	+166,244	+13.92
1891,	8	1,455,756	+95,547	+7.02
1892,	8	1,475,680	+19,924	+1.37
Boots and Shoes.				
1888,	234	$51,162,693	-	-
1889,	234	53,775,385	+$2,612,692	+5.11
1890,	234	56,142,401	+2,367,016	+4.40
1891,	234	53,720,860	—2,421,541	—4.31
1892,	234	57,402,292	+3,681,432	+6.85
Boxes (Paper and Wooden).				
1888,	24	$1,725,936	-	-
1889,	24	1,755,190	+$29,254	+1.69
1890,	24	1,779,289	+24,099	+1.37
1891,	24	1,799,026	+19,737	+1.11
1892,	24	1,974,113	+175,087	+9.73

GOODS MADE: BY INDUSTRIES — Continued.

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE FIVE YEARS 1888—1892 — Continued.

Industries, and Years.	Number of Establishments Considered	Value of Goods Made and Work Done	Increase (+), or Decrease (—), as Compared with Previous Year	
			Amounts	Percentages
Buttons and Dress Trimmings.				
1888,	6	$600,205	-	-
1889,	6	449,432	—$150,773	—25.12
1890,	6	473,274	+23,842	+5.30
1891,	6	468,558	—4,716	—1.00
1892,	6	576,938	+108,380	+23.13
Carpetings.				
1888,	6	$6,063,914	-	-
1889,	6	6,632,080	+$568,166	+9.37
1890,	6	7,239,596	+607,516	+9.16
1891,	6	8,434,264	+1,194,668	+16.50
1892,	6	7,593,930	—840,334	—9.96
Carriages and Wagons.				
1888,	19	$1,457,655	-	-
1889,	19	1,362,298	—$95,357	—6.54
1890,	19	1,431,696	+69,398	+5.09
1891,	19	1,420,774	—10,922	—0.76
1892,	19	1,455,295	+34,521	+2.43
Clocks, Watches, and Jewelry.				
1888,	42	$4,047,076	-	-
1889,	42	4,128,404	+$81,328	+2.01
1890,	42	4,356,810	+228,406	+5.53
1891,	42	4,431,944	+75,134	+1.72
1892,	42	4,657,080	+225,136	+5.08
Clothing.				
1888,	45	$16,623,607	-	-
1889,	45	16,109,542	—$514,065	—3.09
1890,	45	17,084,851	+975,309	+6.05
1891,	45	17,011,743	—73,108	—0.43
1892,	45	17,446,153	+434,410	+2.55
Cordage and Twine.				
1888,	10	$6,042,613	-	-
1889,	10	7,631,892	+$1,589,279	+26.30
1890,	10	7,526,227	—105,665	—1.38
1891,	10	7,546,566	+20,339	+0.27
1892,	10	8,371,117	+824,551	+10.93
Cotton Goods.				
1888,	128	$78,131,000	-	-
1889,	128	81,858,391	+$3,727,391	+4.77
1890,	128	83,829,268	+1,970,877	+2.41
1891,	128	82,364,071	—1,465,197	—1.75
1892,	128	83,819,363	+1,455,292	+1.77

GOODS MADE: BY INDUSTRIES — Continued.

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE FIVE YEARS 1888—1892 — Continued.

Industries, and Years.	Number of Establishments Considered	Value of Goods Made and Work Done	Increase (+), or Decrease (—), as Compared with Previous Year	
			Amounts	Percentages
Flax, Hemp, Jute, and Linen Goods.				
1888,	6	$2,734,490	-	-
1889,	6	2,584,923	—$149,567	—5.47
1890,	6	3,022,342	+437,419	+16.92
1891,	6	2,967,929	—54,413	—1.80
1892,	6	2,846,809	—121,120	—4.08
Food Preparations.				
1888,	60	$35,145,027	-	-
1889,	60	32,283,032	—$2,861,995	—8.14
1890,	60	32,331,884	+48,852	+0.15
1891,	60	30,789,692	—1,542,192	—4.77
1892,	60	34,975,157	+4,185,465	+13.59
Furniture.				
1888,	42	$4,706,968	-	-
1889,	42	4,664,674	—$42,294	—0.90
1890,	42	4,850,465	+185,791	+3.98
1891,	42	5,185,679	+335,214	+6.91
1892,	42	5,635,647	+449,968	+8.68
Glass.				
1888,	5	$434,871	-	-
1889,	5	497,412	+$62,541	+14.38
1890,	5	494,798	—2,614	—0.53
1891,	5	557,693	+62,895	+12.71
1892,	5	581,127	+23,434	+4.20
Hosiery and Knit Goods.				
1888,	10	$3,496,001	-	-
1889,	10	3,029,866	—$466,135	—13.33
1890,	10	3,150,231	+120,365	+3.97
1891,	10	4,087,559	+937,328	+29.75
1892,	10	4,279,291	+191,732	+4.69
Leather.				
1888,	62	$9,563,607	-	-
1889,	62	9,626,982	+$63,375	+0.66
1890,	62	10,329,916	+702,934	+7.30
1891,	62	9,208,722	—1,121,194	—10.85
1892,	62	9,900,490	+691,768	+7.51
Liquors: Malt, Distilled, and Fermented.				
1888,	22	$5,017,946	-	-
1889,	22	5,006,758	—$11,188	—0.22
1890,	22	5,319,356	+312,598	+6.24
1891,	22	5,703,987	+384,631	+7.23
1892,	22	5,685,568	—18,419	—0.32

GOODS MADE: BY INDUSTRIES — Continued.

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE FIVE YEARS 1888 — 1892 — Continued.

Industries, and Years.	Number of Establishments Considered	Value of Goods Made and Work Done	Increase (+), or Decrease (—), as Compared with Previous Year	
			Amounts	Percentages
Machines and Machinery.				
1888,	73	$15,033,471	-	-
1889,	73	16,963,200	+$1,929,729	+12.84
1890,	73	16,655,554	—307,646	—1.81
1891,	73	16,819,184	+163,630	+0.98
1892,	73	17,386,876	+567,692	+3.38
Metals and Metallic Goods.				
1888,	74	$12,623,809	-	-
1889,	74	13,279,299	+$655,490	+5.19
1890,	74	14,604,901	+1,325,602	+9.98
1891,	74	14,315,460	—289,441	—1.98
1892,	74	15,092,708	+777,248	+5.43
Mixed Textiles.				
1888,	9	$1,426,956	-	-
1889,	9	1,458,934	+$31,978	+2.24
1890,	9	1,440,306	—18,628	—1.28
1891,	9	1,348,833	—91,473	—6.35
1892,	9	1,608,503	+259,670	+19.25
Musical Instruments and Materials.				
1888,	21	$3,635,879	-	-
1889,	21	4,047,729	+$411,850	+11.33
1890,	21	4,516,626	+468,897	+11.58
1891,	21	4,448,339	—68,287	—1.51
1892,	21	4,430,638	—17,701	—0.40
Paper and Paper Goods.				
1888,	63	$17,878,751	-	-
1889,	63	18,810,520	+$931,769	+5.21
1890,	63	18,835,922	+25,402	+0.14
1891,	63	19,527,907	+691,985	+3.67
1892,	63	21,433,749	+1,905,842	+9.76
Print Works, Dye Works, and Bleacheries.				
1888,	16	$16,527,952	-	-
1889,	16	17,366,206	+$838,254	+5.07
1890,	16	18,156,234	+790,028	+4.55
1891,	16	16,830,144	—1,326,090	—7.30
1892,	16	19,469,026	+2,638,882	+15.68
Rubber and Elastic Goods.				
1888,	20	$9,226,224	-	-
1889,	20	10,512,190	+$1,285,966	+13.94
1890,	20	11,281,172	+768,982	+7.32
1891,	20	11,732,833	+451,661	+4.00
1892,	20	12,774,189	+1,041,356	+8.88

GOODS MADE: BY INDUSTRIES — Continued.

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE FIVE YEARS 1888—1892 — Continued.

Industries, and Years.	Number of Establishments Considered	Value of Goods Made and Work Done	Increase (+), or Decrease (—), as Compared with Previous Year	
			Amounts	Percentages
Shipbuilding.				
1888,	5	$779,032	-	-
1889,	5	844,300	+$65,268	+8.38
1890,	5	808,972	—40,328	—4.78
1891,	5	742,296	—61,676	—7.67
1892,	5	651,305	—90,991	—12.26
Silk and Silk Goods.				
1888,	7	$3,980,659	-	-
1889,	7	4,433,171	+$452,512	+11.37
1890,	7	4,338,191	—94,980	—2.14
1891,	7	4,458,216	+120,025	+2.77
1892,	7	4,701,490	+243,274	+5.46
Stone.				
1888,	21	$1,801,086	-	-
1889,	21	1,741,862	—$59,224	—3.29
1890,	21	1,689,309	—52,553	—3.02
1891,	21	1,760,863	+71,554	+4.24
1892,	21	1,530,582	—230,281	—13.08
Straw and Palm Leaf Goods.				
1888,	15	$3,114,594	-	-
1889,	15	2,765,404	—$349,190	—11.21
1890,	15	2,953,892	+188,488	+6.82
1891,	15	3,186,640	+232,748	+7.88
1892,	15	3,430,846	+244,206	+7.66
Tallow, Candles, Soap, and Grease.				
1888,	14	$2,366,111	-	-
1889,	14	2,603,188	+$237,077	+10.02
1890,	14	2,631,505	+28,317	+1.09
1891,	14	2,482,716	—148,789	—5.65
1892,	14	2,607,042	+124,326	+5.01
Wooden Goods.				
1888,	17	$1,337,556	-	-
1889,	17	1,261,744	—$75,812	—5.67
1890,	17	1,379,935	+118,191	+9.37
1891,	17	1,428,692	+48,757	+3.53
1892,	17	1,490,573	+61,881	+4.33
Woollen Goods.				
1888,	84	$24,909,491	-	-
1889,	84	25,617,452	+$707,961	+2.84
1890,	84	25,173,061	—444,391	—1.73
1891,	84	27,548,119	+2,375,058	+9.43
1892,	84	28,421,060	+872,941	+3.17

GOODS MADE: BY INDUSTRIES — Concluded.

COMPARISON OF GOODS MADE. SAME ESTABLISHMENTS. FOR THE FIVE YEARS 1888—1892—Concluded.

Industries, and Years.	Number of Establishments Considered	Value of Goods Made and Work Done	Increase (+), or Decrease (—), as Compared with Previous Year	
			Amounts	Percentages
Worsted Goods.				
1888,	14	$5,619,821	-	-
1889,	14	6,127,409	+$507,588	+9.03
1890,	14	6,305,517	+178,108	+2.91
1891,	14	6,849,119	+543,602	+8.62
1892,	14	6,850,937	+1,818	+0.03
Totals.				
1888,	1,195	$351,554,862	-	-
1889,	1,195	363,497,233	+$11,942,371	+3.40
1890,	1,195	374,685,195	+11,187,962	+3.08
1891,	1,195	373,932,435	—752,760	—0.20
1892,	1,195	393,913,653	+19,981,218	+5.34

PERSONS EMPLOYED: BY INDUSTRIES.

SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED: BY INDUSTRIES.

[In this table, by the terms "Periods of employment of smallest number" and "Periods of employment of greatest number" are meant those times, *as regards aggregate number of persons employed*, when the smallest or greatest number, respectively, was employed.]

AGGREGATES — 1891.

Industries.	Number of Establishments Considered	Aggregate Average Number of Persons Employed	Aggregates of Persons Employed at Periods of Employment of —		Excess of *Greatest* over *Smallest* Number
			Smallest Number	*Greatest* Number	
Agricultural implements,	11	677	591	742	151
Arms and ammunition,	13	2,065	1,837	2,250	413
Artisans' tools,	66	1,742	1,565	1,875	310
Awnings, sails, tents, etc.,	35	172	119	272	153
Boots and shoes,	731	47,045	38,089	55,191	17,102
Boxes (paper and wooden),	144	3,351	2,874	3,842	968
Brick, tiles, and sewer pipe,	46	1,320	759	2,013	1,254
Brooms, brushes, and mops,	22	846	778	921	143
Burial cases, caskets, coffins, etc.,	6	179	176	182	6
Buttons and dress trimmings,	18	1,213	1,017	1,423	406
Carpetings,	12	5,056	4,678	5,293	615
Carriages and wagons,	129	2,603	2,032	3,223	1,191
Cement, kaolin, lime, and plaster,	7	90	84	115	31
Chemical preparations (compounded),	11	298	270	323	53
Clocks, watches, and jewelry,	85	3,383	2,881	3,886	1,005
Clothing,	140	8,760	7,111	10,117	3,006
Cooking, lighting, and heating apparatus,	38	2,352	1,806	2,684	878
Cordage and twine,	30	3,458	2,850	4,151	1,301
Corks, bungs, and taps,	3	33	27	40	13
Cotton goods,	158	71,640	68,674	74,735	6,061
Cotton, woollen, and other textiles,	3	2,299	2,155	2,412	257
Crayons, pencils, crucibles, etc.,	3	26	21	29	8
Drugs and medicines,	22	476	381	561	180
Dyestuffs,	6	202	178	218	40
Earthen, plaster, and stone ware,	6	315	201	408	207
Electrical apparatus and appliances,	17	2,949	2,398	3,681	1,283
Electroplating,	11	84	73	91	18
Emery and sand paper and cloth, etc.,	13	336	285	379	94
Fancy articles,	7	226	206	256	50
Fertilizers,	6	47	34	89	55
Fine arts and taxidermy,	3	9	7	16	9

PERSONS EMPLOYED: BY INDUSTRIES — Continued.

SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED. AGGREGATES — 1891 — Concluded.

Industries.	Number of Establishments Considered	Aggregate Average Number of Persons Employed	Aggregates of Persons Employed at Periods of Employment of —		Excess of *Greatest* over *Smallest* Number
			Smallest Number	*Greatest* Number	
Fireworks and matches,	3	71	46	93	47
Flax, hemp, jute, and linen goods,	8	1,897	1,843	1,953	110
Food preparations,	292	6,590	5,174	9,175	4,001
Furniture,	142	5,631	5,023	6,152	1,129
Glass,	10	568	445	605	160
Glue, isinglass, and starch,	18	433	417	670	253
Hair work (animal and human),	10	205	181	221	40
Hose: rubber, linen, etc.,	4	232	197	275	78
Hosiery and knit goods,	40	5,116	4,278	5,752	1,474
Ink, mucilage, and paste,	9	150	148	154	6
Ivory, bone, shell, and horn goods, etc.,	12	479	398	536	138
Leather,	200	6,007	4,818	7,187	2,369
Liquors and beverages (not spirituous),	21	234	187	306	119
Liquors: malt, distilled, and fermented,	53	1,075	940	1,267	327
Lumber,	26	888	656	1,129	473
Machines and machinery,	324	16,019	13,968	17,949	3,981
Metals and metallic goods,	348	14,310	11,512	15,351	3,839
Mixed textiles,	13	779	728	887	159
Models and patterns,	9	51	40	57	17
Musical instruments and materials,	55	2,958	2,813	3,197	384
Oils and illuminating fluids,	9	181	141	244	103
Paints, colors, and crude chemicals,	21	235	196	264	68
Paper and paper goods,	104	10,143	9,544	10,855	1,311
Perfumes, toilet articles, etc.,	6	44	40	51	11
Photographs and photographic materials,	15	151	129	166	37
Polishes and dressing,	27	295	237	342	105
Printing, publishing, and bookbinding,	32	1,763	1,616	1,961	345
Print works, dye works, and bleacheries,	46	5,432	5,393	6,321	928
Railroad construction and equipment,	14	2,709	2,321	3,121	800
Rubber and elastic goods,	33	6,404	5,781	6,928	1,147
Scientific instruments and appliances,	20	1,173	1,036	1,340	304
Shipbuilding,	42	766	489	1,187	698
Silk and silk goods,	11	2,312	2,163	2,420	257
Sporting and athletic goods,	10	506	269	707	438
Stone,	193	4,619	3,363	6,052	2,689
Straw and palm leaf goods,	18	2,318	447	3,931	3,484
Tallow, candles, soap, and grease,	58	646	574	708	134
Tobacco, snuff, and cigars,	42	1,489	1,206	1,763	557
Toys and games (children's),	8	498	320	663	343
Trunks and valises,	7	111	76	126	50
Whips, lashes, and stocks,	12	386	351	420	69
Wooden goods,	182	3,727	3,114	4,380	1,266
Woollen goods,	142	17,768	16,260	19,111	2,851
Worsted goods,	22	8,010	7,384	8,524	1,140
All Industries,	4,473	298,631	260,419	335,919	75,500

SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED: BY INDUSTRIES.

[In this table, by the terms "Periods of employment of smallest number" and "Periods of employment of greatest number" are meant those times, *as regards aggregate number of persons employed*, when the smallest or greatest number, respectively, was employed.]

AGGREGATES — 1892.

Industries.	Number of Establishments Considered	Aggregate Average Number of Persons Employed	Aggregates of Persons Employed at Periods of Employment of —		Excess of *Greatest* over *Smallest* Number
			Smallest Number	*Greatest* Number	
Agricultural implements,	11	662	586	745	159
Arms and ammunition,	13	2,128	2,032	2,329	297
Artisans' tools,	66	1,819	1,686	1,946	260
Awnings, sails, tents, etc.,	35	178	122	261	139
Boots and shoes,	731	49,735	41,097	57,786	16,689
Boxes (paper and wooden),	144	3,587	3,152	4,061	909
Brick, tiles, and sewer pipe,	46	1,282	680	1,935	1,255
Brooms, brushes, and mops,	22	881	813	972	159
Burial cases, caskets, coffins, etc.,	6	185	181	188	7
Buttons and dress trimmings,	18	1,325	1,094	1,536	442
Carpetings,	12	5,065	4,703	5,315	612
Carriages and wagons,	129	2,644	2,051	3,241	1,190
Cement, kaolin, lime, and plaster,	7	96	78	119	41
Chemical preparations (compounded),	11	342	305	379	74
Clocks, watches, and jewelry,	85	3,312	2,729	3,689	960
Clothing,	140	9,811	8,078	11,394	3,316
Cooking, lighting, and heating apparatus,	38	2,437	1,936	2,676	740
Cordage and twine,	30	3,898	2,785	4,752	1,967
Corks, bungs, and taps,	3	37	34	39	5
Cotton goods,	158	74,110	71,144	78,864	7,720
Cotton, woollen, and other textiles,	3	2,270	2,007	2,472	465
Crayons, pencils, crucibles, etc.,	3	21	16	27	11
Drugs and medicines,	22	473	389	546	157
Dyestuffs,	6	186	161	216	55
Earthen, plaster, and stone ware,	6	289	196	355	159
Electrical apparatus and appliances,	17	4,125	3,657	4,517	860
Electroplating,	11	89	79	95	16
Emery and sand paper and cloth, etc.,	13	323	294	359	65
Fancy articles,	7	240	217	262	45
Fertilizers,	6	46	34	85	51
Fine arts and taxidermy,	3	12	8	17	9

PERSONS EMPLOYED: BY INDUSTRIES — Continued.

SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED. AGGREGATES — 1892 — Concluded.

Industries.	Number of Establishments Considered	Aggregate Average Number of Persons Employed	Aggregates of Persons Employed at Periods of Employment of —		Excess of *Greatest* over *Smallest* Number
			Smallest Number	*Greatest* Number	
Fireworks and matches,	3	76	45	100	55
Flax, hemp, jute, and linen goods,	8	1,967	1,857	2,284	427
Food preparations,	292	7,150	5,606	9,707	4,101
Furniture,	142	5,562	4,992	6,117	1,125
Glass,	10	596	440	684	244
Glue, isinglass, and starch,	18	438	393	661	268
Hair work (animal and human),	10	202	175	227	52
Hose: rubber, linen, etc.,	4	260	216	316	100
Hosiery and knit goods,	40	4,528	3,618	5,526	1,908
Ink, mucilage, and paste,	9	146	97	171	74
Ivory, bone, shell, and horn goods, etc.,	12	538	465	630	165
Leather,	200	6,753	5,631	7,934	2,303
Liquors and beverages (not spirituous),	21	251	194	346	152
Liquors: malt, distilled, and fermented,	53	1,131	989	1,238	249
Lumber,	26	940	799	1,063	264
Machines and machinery,	324	16,627	14,368	19,026	4,658
Metals and metallic goods,	348	14,913	12,803	16,615	3,812
Mixed textiles,	13	841	753	922	169
Models and patterns,	9	53	42	62	20
Musical instruments and materials,	55	3,075	2,845	3,280	435
Oils and illuminating fluids,	9	148	120	200	80
Paints, colors, and crude chemicals,	21	227	192	250	58
Paper and paper goods,	104	10,763	9,873	11,440	1,567
Perfumes, toilet articles, etc.,	6	47	41	52	11
Photographs and photographic materials,	15	152	125	170	45
Polishes and dressing,	27	279	182	317	135
Printing, publishing, and bookbinding,	32	1,801	1,664	1,964	300
Print works, dye works, and bleacheries,	46	6,021	5,370	6,525	1,155
Railroad construction and equipment,	14	2,971	2,557	3,288	731
Rubber and elastic goods,	33	6,850	6,116	7,513	1,397
Scientific instruments and appliances,	20	1,194	1,028	1,364	336
Shipbuilding,	42	741	453	1,110	657
Silk and silk goods,	11	2,331	2,180	2,479	299
Sporting and athletic goods,	10	533	257	758	501
Stone,	193	3,917	2,165	5,814	3,649
Straw and palm leaf goods,	18	2,352	568	3,979	3,411
Tallow, candles, soap, and grease,	58	704	613	787	174
Tobacco, snuff, and cigars,	42	1,772	1,245	2,070	825
Toys and games (children's),	8	524	346	683	337
Trunks and valises,	7	114	73	135	62
Whips, lashes, and stocks,	12	379	355	408	53
Wooden goods,	182	3,895	3,220	4,622	1,402
Woollen goods,	142	18,199	16,289	19,545	3,256
Worsted goods,	22	8,577	7,695	9,379	1,684
All Industries,	4,473	312,146	271,399	352,939	81,540

SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED: BY INDUSTRIES.

[In this table, averages for each establishment are given. These have been arrived at by dividing the aggregates given in the table on pages 32 and 33 by the number of establishments.]

AVERAGES — 1891.

Industries.	Number of Establishments Considered	Averages: Number of Persons Employed in each Establishment			
		Average Number	Smallest Number	Greatest Number	Excess of *Greatest* over *Smallest* Number
Agricultural implements,	11	62	54	67	13
Arms and ammunition,	13	159	141	173	32
Artisans' tools,	66	26	24	28	4
Awnings, sails, tents, etc.,	35	5	3	8	5
Boots and shoes,	731	64	52	76	24
Boxes (paper and wooden),	144	23	20	27	7
Brick, tiles, and sewer pipe,	46	29	17	44	27
Brooms, brushes, and mops,	22	38	35	42	7
Burial cases, caskets, coffins, etc.,	6	30	29	30	1
Buttons and dress trimmings,	18	67	57	79	22
Carpetings,	12	421	390	441	51
Carriages and wagons,	129	20	16	25	9
Cement, kaolin, lime, and plaster,	7	13	12	16	4
Chemical preparations (compounded),	11	27	25	29	4
Clocks, watches, and jewelry,	85	40	34	46	12
Clothing,	140	63	51	72	21
Cooking, lighting, and heating apparatus,	38	62	48	71	23
Cordage and twine,	30	115	95	138	43
Corks, bungs, and taps,	3	11	9	13	4
Cotton goods,	158	453	435	473	38
Cotton, woollen, and other textiles,	3	766	718	804	86
Crayons, pencils, crucibles, etc.,	3	9	7	10	3
Drugs and medicines,	22	22	17	26	9
Dyestuffs,	6	34	30	36	6
Earthen, plaster, and stone ware,	6	53	34	68	34
Electrical apparatus and appliances,	17	173	141	217	76
Electroplating,	11	8	7	8	1
Emery and sand paper and cloth, etc.,	13	26	22	29	7
Fancy articles,	7	32	29	37	8
Fertilizers,	6	8	6	15	9
Fine arts and taxidermy,	3	3	2	5	3

PERSONS EMPLOYED: BY INDUSTRIES — Continued.

SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED. AVERAGES — 1891 — Concluded.

Industries.	Number of Establishments Considered	Averages: Number of Persons Employed in each Establishment			
		Average Number	Smallest Number	Greatest Number	Excess of *Greatest* over *Smallest* Number
Fireworks and matches,	3	24	15	31	16
Flax, hemp, jute, and linen goods,	8	237	230	244	14
Food preparations,	292	23	18	31	13
Furniture,	142	40	35	43	8
Glass,	10	57	45	61	16
Glue, isinglass, and starch,	18	24	23	37	14
Hair work (animal and human),	10	21	18	22	4
Hose: rubber, linen, etc.,	4	58	49	69	20
Hosiery and knit goods,	40	128	107	144	37
Ink, mucilage, and paste,	9	17	16	17	1
Ivory, bone, shell, and horn goods, etc.,	12	40	33	45	12
Leather,	200	30	24	36	12
Liquors and beverages (not spirituous),	21	11	9	15	6
Liquors: malt, distilled, and fermented,	53	20	18	24	6
Lumber,	26	34	25	43	18
Machines and machinery,	324	49	43	55	12
Metals and metallic goods,	348	41	33	44	11
Mixed textiles,	13	60	56	68	12
Models and patterns,	9	6	4	6	2
Musical instruments and materials,	55	54	51	58	7
Oils and illuminating fluids,	9	20	16	27	11
Paints, colors, and crude chemicals,	21	11	9	13	4
Paper and paper goods,	104	98	92	104	12
Perfumes, toilet articles, etc.,	6	7	7	9	2
Photographs and photographic materials,	15	10	9	11	2
Polishes and dressing,	27	11	9	13	4
Printing, publishing, and bookbinding,	32	55	51	61	10
Print works, dye works, and bleacheries,	46	118	117	137	20
Railroad construction and equipment,	14	194	166	223	57
Rubber and elastic goods,	33	194	175	210	35
Scientific instruments and appliances,	20	59	52	67	15
Shipbuilding,	42	18	12	28	16
Silk and silk goods,	11	210	197	220	23
Sporting and athletic goods,	10	51	27	71	44
Stone,	193	24	17	31	14
Straw and palm leaf goods,	13	129	25	218	193
Tallow, candles, soap, and grease,	58	11	10	12	2
Tobacco, snuff, and cigars,	42	35	29	42	13
Toys and games (children's),	8	62	40	83	43
Trunks and valises,	7	16	11	18	7
Whips, lashes, and stocks,	12	32	29	35	6
Wooden goods,	182	20	17	24	7
Woollen goods,	142	125	115	135	20
Worsted goods,	22	364	336	387	51
All Industries,	4,473	67	58	75	17

SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED: BY INDUSTRIES.

[In this table, averages for each establishment are given. These have been arrived at by dividing the aggregates given in the table on pages 34 and 35 by the number of establishments.]

AVERAGES—1892.

Industries.	Number of Establishments Considered	Averages: Number of Persons Employed in each Establishment			
		Average Number	Smallest Number	Greatest Number	Excess of *Greatest* over *Smallest* Number
Agricultural implements,	11	60	53	68	15
Arms and ammunition,	13	164	156	179	23
Artisans' tools,	66	28	26	29	3
Awnings, sails, tents, etc.,	35	5	3	7	4
Boots and shoes,	731	68	56	79	23
Boxes (paper and wooden),	144	25	22	28	6
Brick, tiles, and sewer pipe,	46	28	15	42	27
Brooms, brushes, and mops,	22	40	37	44	7
Burial cases, caskets, coffins, etc.,	6	31	30	31	1
Buttons and dress trimmings,	18	74	61	85	24
Carpetings,	12	422	392	443	51
Carriages and wagons,	129	20	16	25	9
Cement, kaolin, lime, and plaster,	7	14	11	17	6
Chemical preparations (compounded),	11	31	28	34	6
Clocks, watches, and jewelry,	85	39	32	43	11
Clothing,	140	70	58	81	23
Cooking, lighting, and heating apparatus,	38	64	50	70	20
Cordage and twine,	30	130	93	158	65
Corks, bungs, and taps,	3	12	11	13	2
Cotton goods,	158	469	450	499	49
Cotton, woollen, and other textiles,	3	757	669	824	155
Crayons, pencils, crucibles, etc.,	3	7	5	9	4
Drugs and medicines,	22	22	18	25	7
Dyestuffs,	6	31	27	36	9
Earthen, plaster, and stone ware,	6	48	33	59	26
Electrical apparatus and appliances,	17	243	215	266	51
Electroplating,	11	8	7	9	2
Emery and sand paper and cloth, etc.,	13	25	23	28	5
Fancy articles,	7	34	31	37	6
Fertilizers,	6	8	6	14	8
Fine arts and taxidermy,	3	4	3	6	3

PERSONS EMPLOYED: BY INDUSTRIES — Continued.

SMALLEST, GREATEST, AND AVERAGE NUMBER OF PERSONS EMPLOYED. AVERAGES — 1892 — Concluded.

Industries.	Number of Establishments Considered	Averages: Number of Persons Employed in each Establishment			
		Average Number	Smallest Number	Greatest Number	Excess of *Greatest* over *Smallest* Number
Fireworks and matches,	3	25	15	33	18
Flax, hemp, jute, and linen goods,	8	246	232	286	54
Food preparations,	292	24	19	33	14
Furniture,	142	39	35	43	8
Glass,	10	60	44	68	24
Glue, isinglass, and starch,	18	24	22	37	15
Hair work (animal and human),	10	20	18	23	5
Hose: rubber, linen, etc.,	4	65	54	79	25
Hosiery and knit goods,	40	113	90	138	48
Ink, mucilage, and paste,	9	16	11	19	8
Ivory, bone, shell, and horn goods, etc.,	12	45	39	53	14
Leather,	200	34	28	40	12
Liquors and beverages (not spirituous),	21	12	9	16	7
Liquors: malt, distilled, and fermented,	53	21	19	23	4
Lumber,	26	36	31	41	10
Machines and machinery,	324	51	44	59	15
Metals and metallic goods,	348	43	37	48	11
Mixed textiles,	13	65	58	71	13
Models and patterns,	9	6	5	7	2
Musical instruments and materials,	55	56	52	60	8
Oils and illuminating fluids,	9	16	13	22	9
Paints, colors, and crude chemicals,	21	11	9	12	3
Paper and paper goods,	104	103	95	110	15
Perfumes, toilet articles, etc.,	6	8	7	9	2
Photographs and photographic materials,	15	10	8	11	3
Polishes and dressing,	27	10	7	12	5
Printing, publishing, and bookbinding,	32	56	52	61	9
Print works, dye works, and bleacheries,	46	131	117	164	47
Railroad construction and equipment,	14	212	183	235	52
Rubber and elastic goods,	33	208	185	228	43
Scientific instruments and appliances,	20	60	51	68	17
Shipbuilding,	42	18	11	26	15
Silk and silk goods,	11	212	198	225	27
Sporting and athletic goods,	10	53	26	76	50
Stone,	193	20	11	30	19
Straw and palm leaf goods,	18	131	32	221	189
Tallow, candles, soap, and grease,	58	12	11	14	3
Tobacco, snuff, and cigars,	42	42	30	49	19
Toys and games (children's),	8	66	43	85	42
Trunks and valises,	7	16	10	19	9
Whips, lashes, and stocks,	12	32	30	34	4
Wooden goods,	182	21	18	25	7
Woollen goods,	142	128	115	138	23
Worsted goods,	22	390	350	426	76
All Industries,	4,473	70	61	79	18

COMPARISON OF RANGE OF EMPLOYMENT: BY INDUSTRIES.

1891, 1892.

[In this presentation, the excess of greatest over smallest number of persons employed for 1891 and 1892 is brought forward from the tables on pages 32 to 35, inclusive, and a comparison is made between the two years. The relative increase or decrease in the excess of greatest number over smallest number of persons employed in 1892 as compared with 1891 is given with its equivalent percentage.]

Industries.	Number of Establishments Considered	Excess of Greatest over Smallest Number of Persons Employed		Increase (+), or Decrease (—), in 1892	
		1891	1892	Number	Percentages
Agricultural implements,	11	151	159	+8	+5.30
Arms and ammunition,	13	413	297	—116	—28.09
Artisans' tools,	66	310	260	—50	—16.13
Awnings, sails, tents, etc.,	35	153	139	—14	—9.15
Boots and shoes,	731	17,102	16,689	—413	—2.41
Boxes (paper and wooden),	144	968	909	—59	—6.10
Brick, tiles, and sewer pipe,	46	1,254	1,255	+1	+0.08
Brooms, brushes, and mops,	22	143	159	+16	+11.19
Burial cases, caskets, coffins, etc.,	6	6	7	+1	+16.67
Buttons and dress trimmings,	18	406	442	+36	+8.87
Carpetings,	12	615	612	—3	—0.49
Carriages and wagons,	129	1,191	1,190	—1	—0.08
Cement, kaolin, lime, and plaster,	7	31	41	+10	+32.26
Chemical preparations (compounded),	11	53	74	+21	+39.62
Clocks, watches, and jewelry,	85	1,005	960	—45	—4.48
Clothing,	140	3,006	3,316	+310	+10.31
Cooking, lighting, and heating apparatus,	38	878	740	—138	—15.72
Cordage and twine,	30	1,301	1,967	+666	+51.19
Corks, bungs, and taps,	3	13	5	—8	—61.54
Cotton goods,	158	6,061	7,720	+1,659	+27.37
Cotton, woollen, and other textiles,	3	257	465	+208	+80.93
Crayons, pencils, crucibles, etc.,	3	8	11	+3	+37.50
Drugs and medicines,	22	180	157	—23	—12.78
Dyestuffs,	6	40	55	+15	+37.50
Earthen, plaster, and stone ware,	6	207	159	—48	—23.19
Electrical apparatus and appliances,	17	1,283	860	—423	—32.97
Electroplating,	11	18	16	—2	—11.11
Emery and sand paper and cloth, etc.,	13	94	65	—29	—30.85
Fancy articles,	7	50	45	—5	—10.00
Fertilizers,	6	55	51	—4	—7.27
Fine arts and taxidermy,	3	9	9	*=	*=
Fireworks and matches,	3	47	55	+8	+17.02

* No change.

PERSONS EMPLOYED: BY INDUSTRIES — Concluded.

COMPARISON OF RANGE OF EMPLOYMENT: BY INDUSTRIES — 1891, 1892 — Concluded.

Industries.	Number of Establishments Considered	Excess of Greatest over Smallest Number of Persons Employed		Increase (+), or Decrease (—), in 1892	
		1891	1892	Number	Percentages
Flax, hemp, jute, and linen goods,	8	110	427	+317	+288.18
Food preparations,	292	4,001	4,101	+100	+2.50
Furniture,	142	1,129	1,125	—4	—0.35
Glass,	10	160	244	+84	+52.50
Glue, isinglass, and starch,	18	253	268	+15	+5.93
Hair work (animal and human),	10	40	52	+12	+30.00
Hose: rubber, linen, etc.,	4	78	100	+22	+28.21
Hosiery and knit goods,	40	1,474	1,908	+434	+29.44
Ink, mucilage, and paste,	9	6	74	+68	+1,133.33
Ivory, bone, shell, and horn goods, etc.,	12	138	165	+27	+19.57
Leather,	200	2,369	2,303	—66	—2.79
Liquors and beverages (not spirituous),	21	119	152	+33	+27.73
Liquors: malt, distilled, and fermented,	53	327	249	—78	—23.85
Lumber,	26	473	264	—209	—44.19
Machines and machinery,	324	3,981	4,658	+677	+17.01
Metals and metallic goods,	348	3,839	3,812	—27	—0.70
Mixed textiles,	13	159	169	+10	+6.29
Models and patterns,	9	17	20	+3	+17.65
Musical instruments and materials,	55	384	435	+51	+13.28
Oils and illuminating fluids,	9	103	80	—23	—22.33
Paints, colors, and crude chemicals,	21	68	58	—10	—14.71
Paper and paper goods,	104	1,311	1,567	+256	+19.53
Perfumes, toilet articles, etc.,	6	11	11	*=	*=
Photographs and photographic materials,	15	37	45	+8	+21.62
Polishes and dressing,	27	105	135	+30	+28.57
Printing, publishing, and bookbinding,	32	345	300	—45	—13.04
Print works, dye works, and bleacheries,	46	928	1,155	+227	+24.46
Railroad construction and equipment,	14	800	731	—69	—8.63
Rubber and elastic goods,	33	1,147	1,397	+250	+21.80
Scientific instruments and appliances,	20	304	336	+32	+10.53
Shipbuilding,	42	698	657	—41	—5.87
Silk and silk goods,	11	257	299	+42	+16.34
Sporting and athletic goods,	10	438	501	+63	+14.38
Stone,	193	2,689	3,649	+960	+35.70
Straw and palm leaf goods,	18	3,484	3,411	—73	—2.10
Tallow, candles, soap, and grease,	58	134	174	+40	+29.85
Tobacco, snuff, and cigars,	42	557	825	+268	+48.11
Toys and games (children's),	8	343	337	—6	—1.75
Trunks and valises,	7	50	62	+12	+24.00
Whips, lashes, and stocks,	12	69	53	—16	—23.19
Wooden goods,	182	1,266	1,402	+136	+10.74
Woollen goods,	142	2,851	3,256	+405	+14.21
Worsted goods,	22	1,140	1,684	+544	+47.72
All Industries,	4,473	75,500	81,540	+6,040	+8.00

* No change.

WAGES PAID: BY INDUSTRIES.

WAGES PAID: BY INDUSTRIES.

1891, 1892.

[In this presentation, the figures given under "Total Amount Paid in Wages During the Year," represent the returns made by the same establishments, in each industry, for the years 1891 and 1892, the whole number of establishments considered in "All Industries" being 4,473. Comparison is made, as regards the total amount paid in wages, between these two years. The relative increase or decrease in 1892 as compared with 1891 is given with its equivalent percentage.]

Industries.	Number of Establishments Considered	Total Amount Paid in Wages During the Year		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Agricultural implements,	11	$351,149	$352,884	+$1,735	+0.49
Arms and ammunition,	13	1,257,248	1,275,165	+17,917	+1.43
Artisans' tools,	66	965,131	972,674	+7,543	+0.78
Awnings, sails, tents, etc.,	35	106,414	109,710	+3,296	+3.10
Boots and shoes,	731	24,096,158	26,701,109	+2,604,951	+10.81
Boxes (paper and wooden),	144	1,280,076	1,435,822	+155,746	+12.17
Brick, tiles, and sewer pipe,	46	608,376	587,564	—20,812	—3.42
Brooms, brushes, and mops,	22	304,812	325,747	+20,935	+6.87
Burial cases, caskets, coffins, etc.,	6	93,364	100,484	+7,120	+7.63
Buttons and dress trimmings,	18	424,145	473,786	+49,641	+11.70
Carpetings,	12	1,881,199	1,956,176	+74,977	+3.99
Carriages and wagons,	129	1,549,351	1,591,731	+42,380	+2.74
Cement, kaolin, lime, and plaster,	7	42,140	45,684	+3,544	+8.41
Chemical preparations (compounded),	11	176,663	203,431	+26,768	+15.15
Clocks, watches, and jewelry,	85	1,931,343	1,930,880	—463	—0.02
Clothing,	140	3,508,625	3,948,154	+439,529	+12.53
Cooking, lighting, and heating apparatus,	38	1,469,247	1,515,402	+46,155	+3.14
Cordage and twine,	30	1,163,753	1,365,793	+202,040	+17.36
Corks, bungs, and taps,	3	10,055	11,066	+1,011	+10.05
Cotton goods,	158	24,657,967	25,614,246	+956,279	+3.88
Cotton, woollen, and other textiles,	3	897,807	856,455	—41,352	—4.61
Crayons, pencils, crucibles, etc.,	3	14,369	10,644	—3,725	—25.92
Drugs and medicines,	22	189,388	196,070	+6,682	+3.53
Dyestuffs,	6	108,335	100,703	—7,632	—7.04
Earthen, plaster, and stone ware,	6	160,925	173,651	+12,726	+7.91
Electrical apparatus and appliances,	17	1,783,112	2,368,475	+585,363	+32.83
Electroplating,	11	43,518	45,997	+2,479	+5.70
Emery and sand paper and cloth, etc.,	13	170,301	175,058	+4,757	+2.79
Fancy articles,	7	66,541	76,105	+9,564	+14.37
Fertilizers,	6	33,283	33,664	+381	+1.14
Fine arts and taxidermy,	3	5,573	9,024	+3,451	+61.92
Fireworks and matches,	3	26,467	31,275	+4,808	+18.17
Flax, hemp, jute, and linen goods,	8	610,311	656,487	+46,176	+7.57
Food preparations,	292	3,231,586	3,430,149	+198,563	+6.14
Furniture,	142	2,837,010	2,820,068	—16,942	—0.60
Glass,	10	274,130	323,756	+49,626	+18.10

WAGES PAID: BY INDUSTRIES — Continued.

WAGES PAID: BY INDUSTRIES — 1891, 1892 — Concluded.

Industries.	Number of Establishments Considered	Total Amount Paid in Wages During the Year		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Glue, isinglass, and starch,	18	$193,880	$196,269	+$2,389	+1.23
Hair work (animal and human),	10	74,942	76,988	+2,046	+2.73
Hose: rubber, linen, etc.,	4	100,144	112,824	+12,680	+12.66
Hosiery and knit goods,	40	1,695,512	1,572,036	—123,476	—7.28
Ink, mucilage, and paste,	9	83,334	79,868	—3,466	—4.16
Ivory, bone, shell, and horn goods, etc.,	12	218,073	216,804	—1,269	—0.58
Leather,	200	3,045,645	3,411,038	+365,393	+12.00
Liquors and beverages (not spirituous),	21	118,550	140,945	+22,395	+18.89
Liquors: malt, distilled, and fermented,	53	728,553	793,782	+65,229	+8.95
Lumber,	26	429,436	437,656	+8,220	+1.91
Machines and machinery,	324	8,935,655	9,311,797	+376,142	+4.21
Metals and metallic goods,	348	7,377,673	7,677,180	+299,507	+4.06
Mixed textiles,	13	304,121	321,989	+17,868	+5.88
Models and patterns,	9	27,543	34,707	+7,164	+26.01
Musical instruments and materials,	55	1,972,602	2,098,173	+125,571	+6.37
Oils and illuminating fluids,	9	97,537	77,273	—20,264	—20.78
Paints, colors, and crude chemicals,	21	126,389	122,739	—3,650	—2.89
Paper and paper goods,	104	4,312,115	4,545,108	+232,993	+5.40
Perfumes, toilet articles, etc.,	6	18,116	17,878	—238	—1.31
Photographs and photographic materials,	15	91,999	97,517	+5,518	+6.00
Polishes and dressing,	27	146,124	136,054	—10,070	—6.89
Printing, publishing, and bookbinding,	32	964,900	992,864	+27,964	+2.90
Print works, dye works, and bleacheries,	46	2,325,011	2,609,007	+283,996	+12.21
Railroad construction and equipment,	14	1,599,758	1,783,725	+183,967	+11.50
Rubber and elastic goods,	33	2,793,252	2,882,488	+89,236	+3.19
Scientific instruments and appliances,	20	516,463	531,518	+15,055	+2.92
Shipbuilding,	42	520,091	503,940	—16,151	—3.11
Silk and silk goods,	11	809,073	795,385	—13,688	—1.69
Sporting and athletic goods,	10	172,105	200,322	+28,217	+16.40
Stone,	193	2,588,455	2,169,267	—419,188	—16.19
Straw and palm leaf goods,	18	1,060,896	1,124,869	+63,973	+6.03
Tallow, candles, soap, and grease,	58	308,182	329,805	+21,623	+7.02
Tobacco, snuff, and cigars,	42	859,403	1,086,847	+227,444	+26.47
Toys and games (children's),	8	197,948	221,554	+23,606	+11.93
Trunks and valises,	7	64,483	67,766	+3,283	+5.09
Whips, lashes, and stocks,	12	170,604	179,956	+9,352	+5.48
Wooden goods,	182	1,930,472	2,090,784	+160,312	+8.30
Woollen goods,	142	6,738,107	7,061,211	+323,104	+4.80
Worsted goods,	22	2,988,991	3,221,041	+232,050	+7.76
All Industries,	4,473	$133,036,009	$141,156,063	+$8,120,054	+6.10

AVERAGE YEARLY EARNINGS: BY INDUSTRIES.

1891, 1892.

[The average yearly earnings, shown in this presentation, have been obtained by dividing the total amount paid in wages during the years 1891 and 1892 (pages 44 and 45) by the average number of persons employed during the same years (pages 32 to 35 inclusive). The relative increase or decrease in average yearly earnings in 1892 as compared with 1891 is given with its equivalent percentage.]

Industries.	Number of Establishments Considered	Average Yearly Earnings		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Agricultural implements,	11	$518.68	$533.06	+$14.38	+2.77
Arms and ammunition,	13	608.84	599.23	—9.61	—1.58
Artisans' tools,	66	554.04	534.73	—19.31	—3.49
Awnings, sails, tents, etc.,	35	618.69	616.35	—2.34	—0.38
Boots and shoes,	731	512.19	536.87	+24.68	+4.82
Boxes (paper and wooden),	144	382.00	400.28	+18.28	+4.79
Brick, tiles, and sewer pipe,	46	460.89	458.32	—2.57	—0.56
Brooms, brushes, and mops,	22	360.30	369.75	+9.45	+2.62
Burial cases, caskets, coffins, etc.,	6	521.59	543.16	+21.57	+4.14
Buttons and dress trimmings,	18	349.67	357.57	+7.90	+2.26
Carpetings,	12	372.07	386.21	+14.14	+3.80
Carriages and wagons,	129	595.22	602.02	+6.80	+1.14
Cement, kaolin, lime, and plaster,	7	468.22	475.88	+7.66	+1.64
Chemical preparations (compounded),	11	592.83	594.83	+2.00	+0.34
Clocks, watches, and jewelry,	85	570.90	583.00	+12.10	+2.12
Clothing,	140	400.53	402.42	+1.89	+0.47
Cooking, lighting, and heating apparatus,	38	624.68	621.83	—2.85	—0.46
Cordage and twine,	30	336.54	350.38	+13.84	+4.11
Corks, bungs, and taps,	3	304.70	299.08	—5.62	—1.84
Cotton goods,	158	344.19	345.62	+1.43	+0.42
Cotton, woollen, and other textiles,	3	390.52	377.29	—13.23	—3.39
Crayons, pencils, crucibles, etc.,	3	552.65	506.86	—45.79	—8.29
Drugs and medicines,	22	397.87	414.52	+16.65	+4.18
Dyestuffs,	6	536.31	541.41	+5.10	+0.95
Earthen, plaster, and stone ware,	6	510.87	600.87	+90.00	+17.62
Electrical apparatus and appliances,	17	604.65	574.18	—30.47	—5.04
Electroplating,	11	518.07	516.82	—1.25	—0.24
Emery and sand paper and cloth, etc.,	13	506.85	541.98	+35.13	+6.93
Fancy articles,	7	294.43	317.10	+22.67	+7.70
Fertilizers,	6	708.15	731.83	+23.68	+3.34
Fine arts and taxidermy,	3	619.22	752.00	+132.78	+21.44
Fire works and matches,	3	372.77	411.51	+38.74	+10.39

WAGES PAID: BY INDUSTRIES—Concluded.

AVERAGE YEARLY EARNINGS: BY INDUSTRIES—1891, 1892—Concluded.

Industries.	Number of Establishments Considered	Average Yearly Earnings		Increase (+), or Decrease (−), in 1892	
		1891	1892	Amounts	Percentages
Flax, hemp, jute, and linen goods,	8	$321.72	$333.75	+$12.03	+3.74
Food preparations,	292	490.38	479.74	−10.64	−2.17
Furniture,	142	503.82	507.02	+3.20	+0.64
Glass,	10	482.62	543.21	+60.59	+12.55
Glue, isinglass, and starch,	18	447.76	448.10	+0.34	+0.08
Hair work (animal and human),	10	365.57	381.13	+15.56	+4.26
Hose: rubber, linen, etc.,	4	431.66	433.94	+2.28	+0.53
Hosiery and knit goods,	40	331.41	347.18	+15.77	+4.76
Ink, mucilage, and paste,	9	555.56	547.04	−8.52	−1.53
Ivory, bone, shell, and horn goods, etc.,	12	455.27	402.98	−52.29	−11.49
Leather,	200	507.02	505.11	−1.91	−0.38
Liquors and beverages (not spirituous),	21	506.62	561.53	+54.91	+10.84
Liquors: malt, distilled, and fermented,	53	677.72	701.84	+24.12	+3.56
Lumber,	26	483.60	465.59	−18.01	−3.72
Machines and machinery,	324	557.82	560.04	+2.22	+0.40
Metals and metallic goods,	348	515.56	514.80	−0.76	−0.15
Mixed textiles,	13	390.40	382.86	−7.54	−1.93
Models and patterns,	9	540.06	654.85	+114.79	+21.26
Musical instruments and materials,	55	666.87	682.33	+15.46	+2.32
Oils and illuminating fluids,	9	538.88	522.11	−16.77	−3.11
Paints, colors, and crude chemicals,	21	537.83	540.70	+2.87	+0.53
Paper and paper goods,	104	425.13	422.29	−2.84	−0.67
Perfumes, toilet articles, etc.,	6	411.73	380.38	−31.35	−7.61
Photographs and photographic materials,	15	609.26	641.56	+32.30	+5.30
Polishes and dressing,	27	495.34	487.65	−7.69	−1.55
Printing, publishing, and bookbinding,	32	547.31	551.28	+3.97	+0.73
Print works, dye works, and bleacheries,	46	428.02	433.32	+5.30	+1.24
Railroad construction and equipment,	14	590.53	600.38	+9.85	+1.67
Rubber and elastic goods,	33	436.17	420.80	−15.37	−3.52
Scientific instruments and appliances,	20	440.29	445.16	+4.87	+1.11
Shipbuilding,	42	678.97	680.08	+1.11	+0.16
Silk and silk goods,	11	349.95	341.22	−8.73	−2.49
Sporting and athletic goods,	10	340.13	375.84	+35.71	+10.50
Stone,	193	560.39	553.81	−6.58	−1.17
Straw and palm leaf goods,	18	457.68	478.26	+20.58	+4.50
Tallow, candles, soap, and grease,	58	477.06	468.47	−8.59	−1.80
Tobacco, snuff, and cigars,	42	577.17	613.34	+36.17	+6.27
Toys and games (children's),	8	397.49	422.81	+25.32	+6.37
Trunks and valises,	7	580.93	594.44	+13.51	+2.33
Whips, lashes, and stocks,	12	441.98	474.82	+32.84	+7.43
Wooden goods,	182	517.97	536.79	+18.82	+3.63
Woollen goods,	142	379.23	388.00	+8.77	+2.31
Worsted goods,	22	373.16	375.54	+2.38	+0.64
All Industries,	4,473	$445.49	$452.21	+$6.72	+1.51

PROPORTION OF BUSINESS DONE

AND

DAYS IN OPERATION:

BY INDUSTRIES.

PROPORTION OF BUSINESS DONE AND DAYS IN OPERATION: BY INDUSTRIES.

[In this presentation is shown the average proportion of business done and the average number of days in operation for each establishment in the industries represented. Greatest capacity, or maximum production, has been considered 100 per cent, and the "percentages" given indicate the average proportion of business done by each establishment during each year on the basis stated. The average number of days in operation is based upon the average number of persons employed, the number of days being multiplied by the figures representing the average number of persons, and the sum divided by the aggregate average number of persons, thus obtaining an average for each establishment in each of the industries considered, and for All Industries. Details, by establishments and industries, of proportion of business done and days in operation, will be found in the pages which follow hereinafter headed "Industry Presentations."]

Industries.	Number of Establishments Considered	Averages			
		Percentages		Days in Operation	
		1891	1892	1891	1892
Agricultural implements,	11	56.73	63.55	285.21	292.72
Arms and ammunition,	13	71.54	64.62	299.81	290.80
Artisans' tools,	66	64.79	63.59	297.11	295.76
Awnings, sails, tents, etc.,	35	50.43	44.89	288.86	288.99
Boots and shoes,	731	65.47	68.24	289.15	292.68
Boxes (paper and wooden),	144	67.69	68.47	291.57	295.45
Brick, tiles, and sewer pipe,	46	76.39	75.39	234.07	240.87
Brooms, brushes, and mops,	22	68.09	70.64	301.48	303.30
Burial cases, caskets, coffins, etc.,	6	84.17	82.17	306.07	306.13
Buttons and dress trimmings,	18	68.61	64.78	299.00	298.63
Carpetings,	12	81.25	81.83	301.76	303.36
Carriages and wagons,	129	67.94	69.27	295.41	297.25
Cement, kaolin, lime, and plaster,	7	68.43	74.86	285.30	296.48
Chemical preparations (compounded),	11	65.36	68.18	289.62	302.44
Clocks, watches, and jewelry,	85	63.76	62.25	282.12	286.19
Clothing,	140	69.86	71.56	296.12	297.04
Cooking, lighting, and heating apparatus,	38	70.24	74.13	277.99	281.94
Cordage and twine,	30	75.07	73.13	295.35	289.49
Corks, bungs, and taps,	3	63.33	57.00	296.21	298.32
Cotton goods,	158	91.53	93.28	312.81	304.81
Cotton, woollen, and other textiles,	3	61.67	71.67	312.40	304.61
Crayons, pencils, crucibles, etc.,	3	68.33	66.67	301.85	284.81
Drugs and medicines,	22	58.64	61.41	302.27	302.21
Dyestuffs,	6	61.83	57.50	275.26	267.50
Earthen, plaster, and stone ware,	6	91.67	67.83	272.07	287.85
Electrical apparatus and appliances,	17	71.00	68.24	305.25	305.68
Electroplating,	11	57.00	53.91	295.36	291.96
Emery and sand paper and cloth, etc.,	13	78.08	78.15	303.35	299.92
Fancy articles,	7	74.71	74.29	299.53	296.24

PROPORTION OF BUSINESS DONE AND DAYS IN OPERATION: BY INDUSTRIES — Concluded.

Industries.	Number of Establishments Considered	Averages			
		Percentages		Days in Operation	
		1891	1892	1891	1892
Fertilizers,	6	52.50	56.17	257.66	275.39
Fine arts and taxidermy,	3	73.33	90.00	273.56	303.50
Fireworks and matches,	3	70.00	76.67	292.08	289.13
Flax, hemp, jute, and linen goods,	8	84.00	79.63	301.35	297.19
Food preparations,	292	64.05	63.46	302.05	304.26
Furniture,	142	66.70	66.23	298.97	298.99
Glass,	10	68.00	67.00	287.30	286.57
Glue, isinglass, and starch,	18	77.22	76.50	232.61	234.06
Hair work (animal and human),	10	55.80	58.30	297.29	299.13
Hose: rubber, linen, etc.,	4	81.25	75.00	299.69	296.04
Hosiery and knit goods,	40	66.45	69.43	300.53	301.02
Ink, mucilage, and paste,	9	56.89	49.67	302.47	303.37
Ivory, bone, shell, and horn goods, etc.,	12	76.83	74.33	299.13	292.78
Leather,	200	67.78	69.17	286.59	294.42
Liquors and beverages (not spirituous),	21	62.62	59.14	304.95	303.21
Liquors: malt, distilled, and fermented,	53	58.83	60.98	300.84	301.28
Lumber,	26	72.08	71.12	274.40	297.56
Machines and machinery,	324	65.68	67.25	297.40	303.60
Metals and metallic goods,	348	68.95	69.84	294.87	292.52
Mixed textiles,	13	82.77	81.85	290.83	299.73
Models and patterns,	9	58.11	62.00	305.88	306.11
Musical instruments and materials,	55	70.05	73.89	299.54	297.18
Oils and illuminating fluids,	9	62.11	65.78	306.11	306.02
Paints, colors, and crude chemicals,	21	63.19	65.95	297.09	295.86
Paper and paper goods,	104	85.64	87.12	300.02	290.82
Perfumes, toilet articles, etc.,	6	78.33	75.00	305.50	304.04
Photographs and photographic materials,	15	67.67	62.00	303.97	304.28
Polishes and dressing,	27	65.96	65.83	302.37	297.47
Printing, publishing, and bookbinding,	32	67.59	72.44	303.60	304.40
Print works, dye works, and bleacheries,	46	66.83	69.59	295.01	299.13
Railroad construction and equipment,	14	87.29	89.43	251.68	300.63
Rubber and elastic goods,	33	69.33	76.39	283.02	274.08
Scientific instruments and appliances,	20	64.85	63.90	302.73	300.64
Shipbuilding,	42	55.36	50.02	296.56	295.92
Silk and silk goods,	11	78.00	77.27	296.26	300.69
Sporting and athletic goods,	10	57.50	61.60	303.22	304.62
Stone,	193	64.01	57.30	287.57	271.83
Straw and palm leaf goods,	18	75.72	75.17	245.17	268.02
Tallow, candles, soap, and grease,	58	66.88	66.74	303.78	298.20
Tobacco, snuff, and cigars,	42	68.57	69.12	296.01	296.61
Toys and games (children's),	8	77.13	80.13	298.12	297.46
Trunks and valises,	7	81.43	84.29	305.91	306.00
Whips, lashes, and stocks,	12	78.75	75.42	295.71	299.17
Wooden goods,	182	62.64	66.73	292.05	296.04
Woollen goods,	142	84.06	86.20	298.42	297.96
Worsted goods,	22	87.68	88.59	305.13	303.23
All Industries,	4,473	68.56	69.31	296.78	297.14

STATISTICS OF MANUFACTURES.

INDUSTRY PRESENTATIONS.

1891, 1892.

NOTES.

The following explanatory notes should be read in connection with the tables to which they refer:

Establishments, Partners, Etc.

There are duplications in the lines devoted to "number of private firms," "partners," "number of corporations," and "stockholders." They are caused by the fact that the same firm or corporation is often engaged in manufacturing in two or more establishments located in different towns and sometimes in different industries. The plan adopted has been to consider each establishment (whether managed in connection with another or not) as one, and to credit the whole number of firms, partners, corporations, and stockholders to each industry, but to count them once only in making up the total for the presentation "All Industries." The industries in which these duplications appear can be ascertained by reference to the tables on pages 4 to 11.

Capital Invested.

In this presentation, the figures given against "Amount of capital invested" represent the returns made by the same establishments for each of the years given. Comparison is made, as regards the amount of capital invested between these two years. The relative increase or decrease in the later year as compared with the earlier year is given with its equivalent percentage.

Stock Used.

This presentation consists of three sections. The first shows the total value of the stock used during each of the two years in the establishments considered, with such classification by name as is possible and with the relative increase or decrease in the later year as compared with the earlier year, expressed in amounts and percentages. In the second section will be found the *aggregate quantity* of each specified article of stock used as returned by these same establishments, together with the relative increase or decrease expressed in quantities and percentages. In the third section the *average value* per basis of each specified article of stock used is given with the increase or decrease therein expressed in amounts and percentages. The quantity of stock presented does not, in any instance, represent the total amount used in any given industry. The figures are derived solely from the returns of those establishments which reported both quantity and value in each year, upon the same basis, thus admitting of direct comparison Those establishments which failed to give detail in either or both years are included in the line "Not classified in detail." To avoid the use of small figures in this section the units of measurement returned by the manufacturers have been increased when necessary; as, for instance, single pounds have been increased to 100 pounds or to tons, single feet to 1,000 feet, single yards to 100 yards, etc. The price per single pound, single foot, single yard, etc., may be readily obtained by dividing the figures given by 100, 1,000, etc. The line "Total stock used" represents the aggregate value of the stock used by the same establishments in each of the two years.

Goods Made.

This presentation consists of three sections. The first shows the total value of goods made and work done during each of the two years by the establishments considered, with such classification by name as is possible and with the relative increase or decrease in the later year as compared with the earlier year, expressed in amounts and percentages. In the second section will be found the *aggregate quantity* of each specified article as returned by these same establishments, together with the relative increase or decrease expressed in quantities and percentages. In the third section the *average value* per basis of each specified article of goods made is given with the increase or decrease therein expressed in amounts and percentages. The quantity or value of goods made does not, in any instance, represent the total amount or value manufactured in the State. The figures are derived solely from the returns of those establishments which reported both quantity and value in each year, upon the same basis, thus admitting of direct comparison. Those establishments which failed to give detail in either or

both years are included in the line "Not classified in detail." To avoid the use of small figures in this section the units of measurement returned by the manufacturers have been increased when necessary; as, for instance, single pounds have been increased to 100 pounds or to tons, single feet to 1,000 feet, single yards to 100 yards, single gallons to 100 gallons, etc. The price per single pound, single foot, single yard, single gallon, etc., may be readily obtained by dividing the figures given by 100, 1,000, etc. The line "Total goods made and work done" represents the aggregate value of the goods manufactured and the work done by the same establishments considered in each of the two years named.

Persons Employed.

This presentation is divided into two sections. In the first is shown the aggregate average number of persons employed, the aggregate number of persons employed at periods of employment of the smallest number, the aggregate number of persons employed at periods of employment of the greatest number, and the excess of greatest over smallest number. By the terms "Periods of employment of smallest number" and "Periods of employment of greatest number" are meant those times, *as regards aggregate number of persons employed*, when the smallest or greatest number, respectively, was employed. Averages for each establishment are also shown in this section, being arrived at by dividing the aggregates previously given by the number of establishments considered. The relative increase or decrease, expressed in amounts and percentages, is also given for one year as compared with the other. In the second section is shown the aggregate number of persons employed, by sex, during each month of the two years specified; all establishments considered in each of the industries being included.

Wages and Earnings.

In this presentation is shown the total amount paid in wages to all persons employed for each of the two years, the average yearly earnings per individual without regard to sex or age, and the relative increases or decreases in one year as compared with the other, expressed in amounts and percentages. The average yearly earnings have been obtained by dividing the sum of the total amount paid in wages by the number representing the average number of persons employed. In this section is also shown the classified weekly wages paid to employés, ranging from under $5 per week to $20 per week and over, and the number of males and females receiving such wage. The returns were made by manufacturers to cover the week during which the largest number of persons was employed.

Proportion of Business Done.

In this presentation, greatest capacity, or maximum production, has been considered as 100 per cent, and the "percentages" given indicate the proportions, for the number of establishments specified, on the basis stated, for both of the years specified.

Days in Operation.

In this presentation, the number of days each establishment considered was in operation is shown, together with the aggregate average number of persons employed in such establishments during the specified number of days for the years given.

AGRICULTURAL IMPLEMENTS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	11	11	=	=
Number of private firms,	6	6	=	=
Number of partners,	8	8	=	=
Males,	8	8	=	=
Number of corporations,	5	5	=	=
Number of stockholders,	84	87	+3	+3.57
Males,	63	65	+2	+3.17
Females,	20	21	+1	+5.00
Banks, trustees, etc.,	1	1	=	=
Aggregates: partners and stockholders,	92	95	+3	+3.26

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,283,071	$1,395,811	+$112,740	+8.79

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$534,142	$571,330	+$37,188	+6.96
Iron, malleable	4,441	4,560	+119	+2.68
Iron (not specified),	21,908	24,941	+3,033	+13.84
Lumber, ash	4,030	4,054	+24	+0.60
Not classified in detail,	503,763	537,775	+34,012	+6.75

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Iron, malleable	tons	54½	59	+4½	+8.26
Iron (not specified),	tons	639	615	—24	—3.76
Lumber, ash	M feet	184	189	+5	+2.72

AGRICULTURAL IMPLEMENTS — 1891, 1892 — Continued.

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Iron, malleable	tons	$81.49	$77.29	—$4.20	—5.15
Iron (not specified), . . .	tons	34.28	40.55	+6.27	+18.29
Lumber, ash	M feet	21.90	21.45	—0.45	—2.05

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done, .	$1,196,237	$1,212,890	+$16,653	+1.39
Hay rakes, ...	11,014	11,934	+920	+8.35
Not classified in detail, ...	1,185,223	1,200,956	+15,733	+1.33

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Hay rakes, ...	dozen	7,348⅓	7,575	+226⅔	+3.08

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Hay rakes, ...	dozen	$1.50	$1.58	+$0.08	+5.33

AGRICULTURAL IMPLEMENTS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	677	662	—15	—2.22
Smallest number,	591	586	—5	—0.85
Greatest number,	742	745	+3	+0.40
Excess of greatest over smallest number,	151	159	+8	+5.30
Averages.				
Average number employed in each establishment,	62	60	—2	—3.23
Smallest number,	54	53	—1	—1.85
Greatest number,	67	68	+1	+1.49
Excess of greatest over smallest number,	13	15	+2	+15.38

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	704	-	704	669	-	669
February,	705	-	705	681	-	681
March,	718	-	718	700	-	700
April,	704	-	704	692	-	692
May,	703	-	703	688	-	688
June,	670	-	670	673	-	673
July,	653	-	653	653	-	653
August,	586	-	586	594	-	594
September,	602	-	602	605	-	605
October,	681	-	681	634	-	634
November,	701	-	701	646	-	646
December,	687	-	687	691	-	691

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$351,149	$352,884	+$1,735	+0.49
Average yearly earnings,	518.68	533.06	+14.38	+2.77

AGRICULTURAL IMPLEMENTS—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	7	-	7	11	-	11
$5 but under $6,	13	-	13	14	-	14
$6 but under $7,	12	-	12	11	-	11
$7 but under $8,	75	-	75	79	-	79
$8 but under $9,	98	-	98	120	-	120
$9 but under $10,	176	-	176	132	-	132
$10 but under $12,	107	-	107	136	-	136
$12 but under $15,	148	-	148	120	-	120
$15 but under $20,	74	-	74	79	-	79
$20 and over,	18	-	18	17	-	17
Totals,	728	-	728	719	-	719

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
25 per cent,	1	1	60 per cent,	2	-	70 per cent,	1	1
33 per cent,	1	-	62 per cent,	-	1	75 per cent,	2	3
40 per cent,	1	1	67 per cent,	1	1	80 per cent,	-	2
50 per cent,	1	1	69 per cent,	1	-	Totals,	11	11

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
150 days,	1	1	1	1	280 days,	-	-	1	60
208 days,	1	3	-	-	286 days,	-	-	1	163
228 days,	-	-	1	1	295 days,	-	-	1	19
229 days,	1	24	-	-	300 days,	2	335	1	294
239 days,	-	-	1	8	333 days,	-	-	1	91
240 days,	1	1	1	1	306 days,	1	4	1	5
250 days,	1	59	-	-	307 days,	1	84	-	-
255 days,	-	-	1	24	Totals,	11	677	11	662
260 days,	1	1	-	-					
267 days,	1	165	-	-					

ARMS AND AMMUNITION. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	13	13	=	=
Number of private firms,	7	7	=	=
Number of partners,	11	12	+1	+9.09
Males,	11	11	=	=
Special,	-	1	+1	-
Number of corporations,	6	6	=	=
Number of stockholders,	189	189	=	=
Males,	156	154	—2	—1.28
Females,	32	34	+2	+6.25
Banks, trustees, etc.,	1	1	=	=
Aggregates: partners and stockholders,	200	201	+1	+0.50

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$4,835,657	$4,940,960	+$105,303	+2.18

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$578,807	$582,811	+$4,004	+0.69
Iron, malleable	24,160	27,574	+3,414	+14.13
Steel, bar	16,878	14,335	—2,543	—15.07
Steel, Bessemer	41,867	55,010	+13,143	+31.39
Steel, open-hearth	7,383	9,007	+1,624	+22.00
Not classified in detail,	488,519	476,885	—8,634	—2.38

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Iron, malleable	tons	156⅝	184⅜	+27¾	+17.72
Steel, bar	tons	228	223	—5	—2.19
Steel, Bessemer	tons	915¼	1,214½	+299¼	+32.70
Steel, open-hearth	tons	102	133	+31	+30.39

ARMS AND AMMUNITION — 1891, 1892 — Continued.

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Iron, malleable	tons	$154.25	$149.55	—$4.70	—3.05
Steel, bar	tons	74.03	64.28	—9.75	—13.17
Steel, Bessemer	tons	45.74	45.29	—0.45	—0.98
Steel, open-hearth	tons	72.38	67.72	—4.66	—6.44

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done, .	$2,445,667	$2,473,286	+$27,619	+1.13
Guns, shot	95,373	105,422	+10,049	+10.54
Revolvers, ...	971,442	978,586	+7,144	+0.74
Not classified in detail, ...	1,378,852	1,389,278	+10,426	+0.76

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Guns, shot	. .	19,662	26,872	+7,210	+36.67
Revolvers, ...	. .	317,681	403,592	+85,911	+27.04

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Guns, shot	. .	$4.85	$3.92	—$0.93	—19.18
Revolvers, ...	. .	3.06	2.42	—0.64	—20.92

ARMS AND AMMUNITION — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	2,065	2,128	+63	+3.05
Smallest number,	1,837	2,032	+195	+10.62
Greatest number,	2,250	2,329	+79	+3.51
Excess of greatest over smallest number,	413	297	—116	—28.09
Averages.				
Average number employed in each establishment,	159	164	+5	+3.14
Smallest number,	141	156	+15	+10.64
Greatest number,	173	179	+6	+3.47
Excess of greatest over smallest number,	32	23	—9	—28.13

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	1,732	174	1,906	1,973	156	2,129
February,	1,785	176	1,961	1,969	153	2,122
March,	1,838	178	2,016	2,028	155	2,183
April,	1,879	159	2,038	2,044	148	2,192
May,	1,915	178	2,093	2,050	167	2,217
June,	1,955	163	2,118	2,026	171	2,197
July,	1,904	161	2,065	1,645	166	1,811
August,	1,931	181	2,112	1,655	183	1,838
September,	1,911	187	2,098	2,041	183	2,224
October,	1,951	198	2,149	2,024	193	2,217
November,	1,941	189	2,130	2,030	178	2,208
December,	1,896	180	2,076	2,029	167	2,196

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$1,257,248	$1,275,165	+$17,917	+1.43
Average yearly earnings,	608.84	599.23	—9.61	—1.58

ARMS AND AMMUNITION — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	134	23	157	154	21	175
$5 but under $6,	47	18	65	68	20	88
$6 but under $7,	109	24	133	98	19	117
$7 but under $8,	54	22	76	90	30	120
$8 but under $9,	68	52	120	89	47	136
$9 but under $10,	215	30	245	201	30	231
$10 but under $12,	227	10	237	277	18	295
$12 but under $15,	338	3	341	375	3	378
$15 but under $20,	679	1	680	674	-	674
$20 and over,	152	-	152	127	-	127
Totals,	2,023	183	2,206	2,153	188	2,341

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
17 per cent,	1	1	65 per cent,	-	1	95 per cent,	-	1
25 per cent,	1	2	75 per cent,	2	3	98 per cent,	1	1
50 per cent,	1	2	80 per cent,	3	-	100 per cent,	2	1
60 per cent,	1	-	90 per cent,	1	1	Totals,	13	13

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
108 days,	-	-	1	3	302 days,	1	494	1	502
150 days,	1	-	-	-	304 days,	1	204	-	-
237 days,	-	-	1	348	306 days,	4	193	5	453
275 days,	-	-	1	32	309 days,	1	56	-	-
280 days,	1	32	-	-					
290 days,	1	425	-	-	Totals,	13	2,065	13	2,128
300 days,	3	661	4	790					

ARTISANS' TOOLS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	66	66	=	=
Number of private firms,	55	54	—1	—1.82
Number of partners,	76	77	+1	+1.32
Males,	73	74	+1	+1.37
Females,	3	3	=	=
Number of corporations,	11	12	+1	+9.09
Number of stockholders,	612	642	+30	+4.90
Males,	345	352	+7	+2.03
Females,	213	236	+23	+10.80
Banks, trustees, etc.,	54	54	=	=
Aggregates: partners and stockholders,	688	719	+31	+4.51

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$2,834,228	$2,802,372	—$31,856	—1.12

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$610,223	$847,252	+$237,029	+38.84
Castings, iron	48,204	46,778	—1,426	—2.96
Iron, cast	1,345	1,427	+82	+6.10
Iron, malleable	12,764	7,928	—4,836	—37.89
Iron, wrought	17,159	17,148	—11	—0.06
Iron (not specified),	71,508	82,536	+11,028	+15.42
Steel, bar	6,750	6,592	—158	—2.34
Steel, cast	12,135	11,725	—410	—3.38
Steel (not specified),	190,485	195,857	+5,372	+2.82
Wire, steel	5,840	6,719	+879	+15.05
Not classified in detail,	244,033	470,542	+226,509	+98.82

ARTISANS' TOOLS — 1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Castings, iron	100 pounds	13,599	13,048	—551	—4.05
Iron, cast	100 pounds	437	469	+32	+7.32
Iron, malleable	100 pounds	2,326	1,234	—1,092	—46.95
Iron, wrought	100 pounds	8,100	8,213	+113	+1.40
Iron (not specified),	100 pounds	38,204	48,049	+9,845	+25.77
Steel, bar	100 pounds	960	950	—10	—1.04
Steel, cast	100 pounds	1,582	1,548	—34	—2.15
Steel (not specified),	100 pounds	18,978	20,948	+1,970	+10.38
Wire, steel	100 pounds	1,041	1,261	+220	+21.13

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Castings, iron	100 pounds	$3.54	$3.59	+$0.05	+$1.41
Iron, cast	100 pounds	3.08	3.04	—0.04	—1.30
Iron, malleable	100 pounds	5.49	6.42	+0.93	+16.94
Iron, wrought	100 pounds	2.12	2.09	—0.03	—1.42
Iron (not specified),	100 pounds	1.87	1.72	—0.15	—8.02
Steel, bar	100 pounds	7.03	6.94	—0.09	—1.28
Steel, cast	100 pounds	7.67	7.57	—0.10	—1.30
Steel (not specified),	100 pounds	10.04	9.35	—0.69	—6.87
Wire, steel	100 pounds	5.61	5.33	—0.28	—4.99

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$2,735,466	$2,751,859	+$16,393	+0.60
Awls,	18,834	19,253	+419	+2.22
Files,	24,680	30,954	+6,274	+25.42
Knives, shoe	20,200	20,422	+222	+1.10
Not classified in detail,	2,671,752	2,681,230	+9,478	+0.35

ARTISANS' TOOLS — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Awls,	gross	22,537½	25,474	+2,936½	+13.03
Files,	dozen	13,258	15,150	+1,892	+14.27
Knives, shoe	dozen	12,100	10,044	—2,056	—16.99

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Awls,	gross	$0.84	$0.76	—$0.08	—9.52
Files,	dozen	1.86	2.04	+0.18	+9.68
Knives, shoe	dozen	1.67	2.03	+0.36	+21.56

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	1,742	1,819	+77	+4.42
Smallest number,	1,565	1,686	+121	+70.73
Greatest number,	1,875	1,946	+71	+3.79
Excess of greatest over smallest number,	310	260	—50	—16.13
Averages.				
Average number employed in each establishment,	26	28	+2	+7.69
Smallest number,	24	26	+2	+8.33
Greatest number,	28	29	+1	+3.57
Excess of greatest over smallest number,	4	3	—1	—24.60

ARTISANS' TOOLS — 1891, 1892 — Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	1,677	60	1,737	1,727	61	1,788
February,	1,697	58	1,755	1,765	62	1,827
March,	1,684	59	1,743	1,773	59	1,832
April,	1,672	59	1,731	1,772	65	1,837
May,	1,676	59	1,735	1,777	68	1,845
June,	1,678	58	1,736	1,748	64	1,812
July,	1,648	52	1,700	1,742	61	1,803
August,	1,657	56	1,713	1,695	60	1,755
September,	1,664	57	1,721	1,734	58	1,792
October,	1,697	62	1,759	1,738	64	1,802
November,	1,696	61	1,757	1,749	64	1,813
December,	1,704	63	1,767	1,770	61	1,831
During the entire year,*	145	2	147	140	2	142

* 19 establishments in 1891; 21 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$965,131	$972,674	+$7,543	+0.78
Average yearly earnings,	554.04	534.73	—19.31	—3.49

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	96	17	113	126	23	149
$5 but under $6,	69	13	82	43	14	57
$6 but under $7,	88	17	165	99	12	111
$7 but under $8,	120	11	131	101	15	116
$8 but under $9,	114	6	120	116	2	118
$9 but under $10,	223	–	223	256	–	256
$10 but under $12,	264	1	265	264	1	265
$12 but under $15,	381	–	381	390	–	390
$15 but under $20,	299	1	300	313	1	314
$20 and over,	113	–	113	111	–	111
Totals,	1,767	66	1,833	1,819	68	1,887

ARTISANS' TOOLS — 1891, 1892 — Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
5 per cent, .	-	2	40 per cent, .	-	3	83 per cent, .	-	1
6 per cent, .	1	-	50 per cent, .	13	10	85 per cent, .	2	2
10 per cent, .	-	3	60 per cent, .	6	3	86 per cent, .	1	-
13 per cent, .	1	-	65 per cent, .	3	1	87 per cent, .	-	1
15 per cent, .	-	1	67 per cent, .	-	1	90 per cent, .	5	7
16 per cent, .	1	-	70 per cent, .	3	3	95 per cent, .	1	-
20 per cent, .	1	1	75 per cent, .	10	8	100 per cent, .	7	8
25 per cent, .	5	4	77 per cent, .	1	1			
33 per cent, .	1	1	80 per cent, .	4	5	Totals, .	66	66

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
65 days, .	-	-	1	4	283 days, .	-	-	2	185
78 days, .	1	1	-	-	285 days, .	-	-	1	5
100 days, .	-	-	1	1	290 days, .	1	217	-	-
113 days, .	1	5	1	5	291 days, .	-	-	1	48
150 days, .	1	5	-	-	294 days, .	1	98	1	6
154 days, .	-	-	1	1	296 days, .	-	-	1	35
200 days, .	1	1	-	-	297 days, .	-	-	1	85
215 days, .	1	1	1	1	298 days, .	1	200	-	-
225 days, .	-	-	1	20	300 days, .	16	140	8	326
240 days, .	-	-	1	2	301 days, .	1	59	-	-
246 days, .	-	-	1	5	302 days, .	-	-	2	49
250 days, .	2	3	-	-	303 days, .	1	272	1	61
254 days, .	-	-	1	1	304 days, .	2	94	2	105
256 days, .	1	3	-	-	305 days, .	3	55	-	-
260 days, .	2	5	2	21	306 days, .	21	409	26	692
265 days, .	1	2	-	-	307 days, .	1	20	-	-
268 days, .	1	4	1	85	308 days, .	-	-	1	11
274 days, .	1	2	-	-	309 days, .	1	11	-	-
275 days, .	2	114	2	31	312 days, .	-	-	1	16
280 days, .	2	21	3	17					
281 days, .	-	-	1	1	Totals, .	66	1,742	66	1,819

AWNINGS, SAILS, TENTS, ETC. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	35	35	=	=
Number of private firms,	35	35	=	=
Number of partners,	47	47	=	=
Males,	47	47	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$171,900	$185,425	+$13,525	+7.87

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$273,172	$314,041	+$40,869	+14.96
Awning stripes,	4,568	3,659	—909	—19.90
Drill,	405	386	—19	—4.69
Duck,	111,560	151,341	+39,781	+35.66
Rope, manila	11,692	10,080	—1,612	—13.79
Not classified in detail,	144,947	148,575	+3,628	+2.50

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Awning stripes,	100 yards	295	239	—56	—18.98
Drill,	100 yards	37	40	+3	+8.11
Duck,	100 yards	3,066	3,238	+172	+5.61
Rope, manila	100 pounds	891	860	—31	—3.48

AWNINGS, SAILS, TENTS, ETC. — 1891, 1892 — Continued.

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Awning stripes,	100 yards	$15.48	$15.31	—$0.17	—1.10
Drill,	100 yards	10.95	9.65	—1.30	—11.87
Duck,	100 yards	36.39	46.74	+10.35	+28.44
Rope, manila	100 pounds	13.12	11.72	—1.40	—10.67

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$528,869	$544,413	+$15,544	+2.94
Awnings,	9,499	11,850	+2,351	+24.75
Sails,	122,312	119,451	—2,861	—2.34
Tents,	3,895	2,485	—1,410	—36.20
Not classified in detail,	393,163	410,627	+17,464	+4.44

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Awnings,		1,005	1,324	+319	+31.74
Sails,		983	895	—88	—8.95
Tents,		147	93	—54	—36.73

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Awnings,		$9.45	$8.95	—$0.50	—5.29
Sails,		124.43	133.46	+9.03	+7.26
Tents,		26.50	26.72	+0.22	+0.83

AWNINGS, SAILS, TENTS, ETC.—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	172	178	+6	+3.49
Smallest number,	119	122	+3	+2.52
Greatest number,	272	261	—11	—4.04
Excess of greatest over smallest number,	153	139	—14	—9.15
Averages.				
Average number employed in each establishment,	5	5	*=	*=
Smallest number,	3	3	*=	*=
Greatest number,	8	7	—1	—12.50
Excess of greatest over smallest number,	5	4	—1	—20.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	133	22	155	119	29	148
February,	135	26	161	121	34	155
March,	136	30	166	130	36	166
April,	141	40	181	145	45	190
May,	149	49	198	144	50	194
June,	147	48	195	140	53	193
July,	136	35	171	137	48	185
August,	134	25	159	145	36	181
September,	138	21	159	139	34	173
October,	161	20	181	149	32	181
November,	164	22	186	152	27	179
December,	138	21	159	146	28	174
During the entire year,*	23	10	33	31	11	42

* 5 establishments in 1891; 6 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$106,414	$109,710	+$3,296	+3.10
Average yearly earnings,	618.69	616.35	—2.34	—0.38

AWNINGS, SAILS, TENTS, ETC.—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	8	2	10	9	3	12
$5 but under $6,	2	2	4	5	5	10
$6 but under $7,	6	11	17	3	9	12
$7 but under $8,	3	8	11	5	8	13
$8 but under $9,	3	18	21	2	13	15
$9 but under $10,	3	2	5	4	-	4
$10 but under $12,	9	3	12	11	5	16
$12 but under $15,	34	-	34	16	1	17
$15 but under $20,	15	-	15	12	-	12
$20 and over,	1	-	1	1	-	1
Totals,	84	46	130	68	44	112

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
16 per cent,	3	3	38 per cent,	-	1	70 per cent,	3	2
18 per cent,	-	1	40 per cent,	1	-	75 per cent,	2	2
20 per cent,	2	3	50 per cent,	13	9	78 per cent,	-	1
25 per cent,	1	4	60 per cent,	2	1	80 per cent,	-	1
33 per cent,	2	4	65 per cent,	1	-	100 per cent,	2	2
35 per cent,	1	1	67 per cent,	2	-	Totals,	35	35

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
90 days,	-	-	1	-	240 days,	1	4	-	-
100 days,	-	-	1	6	250 days,	-	-	1	2
108 days,	1	1	-	-	260 days,	1	2	-	-
125 days,	-	-	1	1	276 days,	-	-	1	3
140 days,	1	1	1	1	294 days,	-	-	1	4
148 days,	-	-	1	2	300 days,	5	15	6	30
150 days,	1	2	-	-	301 days,	1	5	-	-
164 days,	-	-	1	1	305 days,	1	5	-	-
180 days,	1	3	1	2	306 days,	17	118	17	121
200 days,	3	12	1	3	313 days,	1	2	1	2
226 days,	1	2	-	-	Totals,	35	172	35	178

BOOTS AND SHOES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	731	731	=	=
Number of private firms,	695	688	−7	−1.01
Number of partners,	1,162	1,138	−24	−2.07
Males,	1,138	1,111	−27	−2.37
Females,	10	9	−1	−10.00
Special,	13	17	+4	+30.77
Estates,	1	1	=	=
Number of corporations,	36	43	+7	+19.44
Number of stockholders,	493	518	+25	+5.07
Males,	450	468	+18	+4.00
Females,	40	48	+8	+20.00
Banks, trustees, etc.,	3	2	−1	−33.33
Aggregates: partners and stockholders,	1,655	1,656	+1	+0.06

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$30,355,294	$31,038,328	+$683,034	+2.25

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$58,601,177	$65,181,630	+$6,580,453	+11.23
Leather, scrap	430,184	530,698	+100,514	+23.37
Leather, sole	9,485,679	10,736,902	+1,251,223	+13.19
Leather, upper	10,331,787	10,637,892	+306,105	+2.96
Leather (not specified),	249,460	394,839	+145,379	+58.28
Leather-board,	58,791	73,127	+14,336	+24.38
Soles, cut	310,849	337,920	+27,071	+8.71
Not classified in detail,	37,734,427	42,470,252	+4,735,825	+12.55

BOOTS AND SHOES — 1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Leather, scrap	tons	9,129¾	8,107	−1,022¾	−11.20
Leather, sole	100 pounds	433,775	511,157	+77,382	+17.84
Leather, sole	sides	512,276	608,391	+96,115	+18.76
Leather, upper	100 feet	667,767	722,344	+54,577	+8.17
Leather, upper	100 pounds	39,571	43,709	+4,138	+10.46
Leather, upper	doz. skins	16,978½	21,287	+4,308½	+25.38
Leather (not specified),	100 pounds	21,225	35,520	+14,295	+67.35
Leather-board,	tons	790	1,089¼	+299¼	+37.88
Soles, cut	100 pairs	28,224	32,700	+4,476	+15.86

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Leather, scrap	tons	$47.12	$65.46	+$18.34	+38.92
Leather, sole	100 pounds	18.50	17.43	−1.07	−5.78
Leather, sole	sides	2.85	3.01	+0.16	+5.61
Leather, upper	100 feet	13.57	12.89	−0.68	−5.01
Leather, upper	100 pounds	26.31	24.25	−2.06	−7.83
Leather, upper	doz. skins	13.34	12.69	−0.65	−4.87
Leather (not specified),	100 pounds	11.75	11.12	−0.63	−5.36
Leather-board,	tons	74.42	67.14	−7.28	−9.78
Soles, cut	100 pairs	11.01	10.33	−0.68	−6.18

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$99,394,318	$108,347,615	+$8,953,297	+9.01
Boots:				
Boys',	13,221	8,600	−4,621	−34.95
Children's,	52,400	80,353	+27,953	+53.35
Men's,	238,273	159,890	−78,383	−32.90
Misses',	117,850	112,152	−5,698	−4.83
Women's,	283,765	247,918	−35,847	−12.63
Youths',	6,480	3,354	−3,126	−48.24
Boots (not specified),	2,698,795	2,872,458	+173,663	+6.43
Boots and shoes:				
Boys',	652,945	681,530	+28,585	+4.38
Children's,	895,265	1,022,090	+126,825	+14.17

BOOTS AND SHOES — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES — Concluded.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Boots and shoes: — Con.				
Infants',	$5,571	$5,383	—$188	—3.37
Men's,	7,432,330	8,292,009	+859,679	+11.57
Misses',	447,774	458,495	+10,721	+2.39
Women's,	2,361,460	2,417,408	+55,948	+2.37
Youths',	399,371	468,920	+69,549	+17.41
Boots and shoes (not specified),	12,594,071	13,669,684	+1,075,613	+8.54
Counters,	529,147	608,871	+79,724	+15.07
Heels,	389,343	476,471	+87,128	+22.38
Shoes:				
Boys',	142,003	99,038	—42,965	—30.26
Children's,	347,492	395,513	+48,021	+13.82
Infants',	18,631	18,575	—56	—0.30
Low-cut, misses'	40,000	75,000	+35,000	+87.50
Low-cut, women's	833,763	855,995	+22,232	+2.67
Low-cut (not specified),	1,287,416	1,411,979	+124,563	+9.68
Men's,	2,150,224	2,307,533	+157,309	+7.32
Misses',	209,012	259,264	+50,252	+24.04
Women's,	2,332,219	2,683,502	+351,283	+15.06
Youths',	57,578	45,893	—11,685	—20.29
Shoes (not specified),	15,274,709	16,154,964	+880,255	+5.76
Slippers:				
Men's,	124,300	148,000	+23,700	+19.07
Women's,	158,655	8,210	+39,555	+24.93
Slippers (not specified),	1,034,691	907,768	—126,923	—12.27
Soles, cut	1,941,716	2,160,872	+219,156	+11.29
Soles, inner	95,268	94,200	—1,068	—1.12
Tips,	135,277	159,137	+23,860	+17.64
Not classified in detail,	44,093,303	48,786,586	+4,693,283	+10.64

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Boots:					
Boys',	pairs	9,600	6,900	—2,700	—28.13
Children's,	pairs	74,288	99,530	+25,242	+33.98
Men's,	pairs	150,420	101,120	—49,300	—32.77
Misses',	pairs	136,762	163,240	+26,478	+19.36
Women's,	pairs	235,085	189,024	—46,061	—19.59
Youths',	pairs	4,848	3,648	—1,200	—24.75
Boots (not specified),	pairs	1,720,591	1,797,745	+77,154	+4.48
Boots and shoes:					
Boys',	pairs	628,379	689,179	+60,800	+9.68
Children's,	pairs	1,471,121	1,876,211	+405,090	+27.54

BOOTS AND SHOES — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE QUANTITIES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Boots and shoes — Con.					
Infants',	pairs	6,964	6,729	−235	−3.37
Men's,	pairs	4,116,220	4,824,016	+707,796	+17.20
Misses',	pairs	613,199	652,176	+38,977	+6.36
Women's,	pairs	2,557,717	2,673,221	+115,504	+4.52
Youths',	pairs	468,049	574,448	+106,399	+22.73
Boots and shoes (not specified),	pairs	10,033,101	11,103,999	+1,070,898	+10.67
Counters,	100 pairs	192,476	233,884	+41,408	+21.51
Heels,	100 pairs	128,267	162,656	+39,389	+31.95
Shoes:					
Boys',	pairs	138,336	105,126	−33,210	−24.01
Children's,	pairs	615,759	647,735	+31,976	+5.19
Infants',	pairs	93,156	92,876	−280	−0.30
Low-cut, misses'	pairs	50,000	107,143	+57,143	+114.29
Low-cut, women's	pairs	626,980	636,664	+9,684	+1.54
Low-cut (not specified),	pairs	1,180,400	1,280,778	+100,378	+8.50
Men's,	pairs	1,320,044	1,411,485	+91,441	+6.93
Misses',	pairs	269,191	322,481	+53,290	+19.80
Women's,	pairs	1,821,999	2,210,987	+388,988	+21.35
Youths',	pairs	44,302	42,312	−1,990	−4.49
Shoes (not specified),	pairs	13,615,961	14,339,374	+723,413	+5.31
Slippers:					
Men's,	pairs	182,000	205,200	+23,200	+12.75
Women's,	pairs	247,436	315,080	+67,644	+27.34
Slippers (not specified),	pairs	1,484,720	1,278,736	−205,984	−13.87
Soles, cut	100 pairs	229,499	267,278	+37,779	+16.46
Soles, inner	100 pairs	11,515	15,152	+3,637	+31.58
Tips,	100 pairs	56,697	66,390	+9,693	+17.10

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Boots:					
Boys',	pairs	$1.38	$1.25	−$0.13	−9.42
Children's,	pairs	0.71	0.81	+0.10	+14.08
Men's,	pairs	1.58	1.58	*=	*=
Misses',	pairs	0.86	0.69	−0.17	−19.77
Women's,	pairs	1.21	1.31	+0.10	+8.26
Youths',	pairs	1.34	0.92	−0.42	−31.34
Boots (not specified),	pairs	1.57	1.60	+0.03	+1.91
Boots and shoes:					
Boys',	pairs	1.04	0.99	−0.05	−4.81
Children's,	pairs	0.61	0.54	−0.07	−11.48

* No change in average values.

BOOTS AND SHOES—1891, 1892—Continued.

GOODS MADE. AVERAGE VALUES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Boots and shoes — Con.					
Infants',	pairs	$0.80	$0.80	*=	*=
Men's,	pairs	1.81	1.72	—$0.09	—4.97
Misses',	pairs	0.73	0.70	—0.03	—4.11
Women's,	pairs	0.92	0.90	—0.02	—2.17
Youths',	pairs	0.85	0.82	—0.03	—3.53
Boots and shoes (not specified),	pairs	1.26	1.23	—0.03	—2.38
Counters,	100 pairs	2.75	2.60	—0.15	—5.45
Heels,	100 pairs	3.16	2.93	—0.23	—7.28
Shoes:					
Boys',	pairs	1.03	0.94	—0.09	—8.74
Children's,	pairs	0.56	0.61	+0.05	+8.93
Infants',	pairs	0.20	0.20	*=	*=
Low-cut, misses'	pairs	0.80	0.70	—0.10	—12.50
Low-cut, women's	pairs	1.33	1.34	+0.01	+0.75
Low-cut (not specified),	pairs	1.09	1.10	+0.01	+0.92
Men's,	pairs	1.63	1.63	*=	*=
Misses',	pairs	0.78	0.80	+0.02	+2.56
Women's,	pairs	1.28	1.21	—0.07	—5.47
Youths',	pairs	1.30	1.08	—0.22	—16.92
Shoes (not specified),	pairs	1.12	1.13	+0.01	+0.89
Slippers:					
Men's,	pairs	0.68	0.72	+0.04	+5.88
Women's,	pairs	0.64	0.63	—0.01	—1.56
Slippers (not specified),	pairs	0.70	0.71	+0.01	+1.43
Soles, cut	100 pairs	8.46	8.08	—0.38	—4.49
Soles, inner	100 pairs	8.27	6.22	—2.05	—24.79
Tips,	100 pairs	2.39	2.40	+0.01	+0.42

* No change in average values.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	47,045	49,735	+2,690	+5.72
Smallest number,	38,089	41,097	+3,008	+7.90
Greatest number,	55,191	57,786	+2,595	+4.70
Excess of greatest over smallest number,	17,102	16,689	—413	—2.41
Averages.				
Average number employed in each establishment,	64	68	+4	+6.25
Smallest number,	52	56	+4	+7.69
Greatest number,	76	79	+3	+3.95
Excess of greatest over smallest number,	24	23	—1	—4.17

BOOTS AND SHOES—1891, 1892—Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	33,584	13,494	47,078	33,752	13,961	47,713
February,	34,101	13,744	47,845	34,510	14,325	48,835
March,	34,202	13,615	47,817	35,047	14,384	49,431
April,	33,274	13,443	46,717	35,027	14,488	49,515
May,	33,902	13,624	47,526	35,498	14,620	50,118
June,	34,238	13,454	47,692	35,636	14,734	50,370
July,	33,898	12,987	46,885	35,430	14,643	50,073
August,	34,491	13,580	48,071	36,143	14,941	51,084
September,	34,057	13,577	47,634	36,032	14,908	50,940
October,	32,955	13,362	46,317	35,490	14,974	50,464
November,	31,034	12,830	43,864	34,442	14,463	48,905
December,	32,573	13,112	45,685	34,252	14,328	48,580
During the entire year,*	5,266	2,096	7,362	5,714	2,416	8,130

* 184 establishments in 1891; 193 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$24,096,158	$26,701,109	+$2,604,951	+10.81
Average yearly earnings,	512.19	536.87	+24.68	+4.82

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	1,695	2,603	4,298	1,754	2,730	4,484
$5 but under $6,	1,177	1,555	2,732	1,249	1,807	3,056
$6 but under $7,	1,855	2,141	3,996	1,875	2,066	3,941
$7 but under $8,	1,995	1,910	3,905	2,159	2,053	4,212
$8 but under $9,	2,140	1,668	3,808	2,150	1,861	4,011
$9 but under $10,	3,376	1,826	5,202	3,726	1,910	5,636
$10 but under $12,	5,442	1,941	7,383	5,585	2,129	7,714
$12 but under $15,	9,277	1,612	10,889	9,721	1,649	11,370
$15 but under $20,	8,438	667	9,105	7,843	587	8,430
$20 and over,	2,643	69	2,712	2,729	79	2,808
Totals,	38,038	15,992	54,030	38,791	16,871	55,662

BOOTS AND SHOES—1891, 1892—Continued.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments 1891	Establishments 1892	Proportion of Business Done.	Establishments 1891	Establishments 1892	Proportion of Business Done.	Establishments 1891	Establishments 1892
10 per cent,	7	5	50 per cent,	154	121	78 per cent,	3	-
12 per cent,	1	4	53 per cent,	-	1	79 per cent,	-	1
15 per cent,	1	4	54 per cent,	1	4	80 per cent,	48	56
17 per cent,	1	-	55 per cent,	5	5	82 per cent,	1	1
18 per cent,	1	-	56 per cent,	-	1	83 per cent,	2	4
20 per cent,	12	9	57 per cent,	2	-	84 per cent,	1	3
24 per cent,	1	-	58 per cent,	3	-	85 per cent,	12	31
25 per cent,	28	33	60 per cent,	45	29	87 per cent,	1	1
28 per cent,	-	1	61 per cent,	-	1	88 per cent,	1	3
30 per cent,	5	3	62 per cent,	8	1	89 per cent,	-	2
31 per cent,	-	1	63 per cent,	3	3	90 per cent,	40	39
32 per cent,	-	2	64 per cent,	1	-	91 per cent,	1	1
33 per cent,	26	19	65 per cent,	13	13	92 per cent,	1	2
34 per cent,	1	-	66 per cent,	5	11	93 per cent,	1	2
35 per cent,	1	6	67 per cent,	20	11	94 per cent,	1	-
39 per cent,	-	1	68 per cent,	8	2	95 per cent,	22	17
40 per cent,	7	11	70 per cent,	39	34	96 per cent,	2	2
42 per cent,	-	1	72 per cent,	-	3	97 per cent,	-	1
43 per cent,	-	1	73 per cent,	-	2	98 per cent,	-	2
45 per cent,	3	2	74 per cent,	-	1	99 per cent,	-	1
46 per cent,	-	1	75 per cent,	132	121	100 per cent,	59	93
48 per cent,	1	-	76 per cent,	-	1			
49 per cent,	1	-	77 per cent,	4	-	Totals,	761	731

DAYS IN OPERATION.

Days in Operation.	1891 Establishments	1891 Persons Employed	1892 Establishments	1892 Persons Employed	Days in Operation.	1891 Establishments	1891 Persons Employed	1892 Establishments	1892 Persons Employed
50 days,	-	-	1	1	153 days,	1	2	2	4
87 days,	-	-	1	17	154 days,	1	3	3	7
100 days,	1	1	4	7	160 days,	1	3	-	-
102 days,	1	20	-	-	161 days,	-	-	1	5
104 days,	1	3	-	-	165 days,	-	-	1	2
110 days,	1	18	-	-	168 days,	-	-	1	7
120 days,	-	-	3	7	172 days,	-	-	1	18
125 days,	1	8	-	-	175 days,	2	26	2	57
128 days,	1	1	-	-	176 days,	1	3	-	-
136 days,	1	11	-	-	178 days,	-	-	1	9
138 days,	1	2	-	-	180 days,	2	46	1	1
140 days,	1	2	-	-	182 days,	1	2	-	-
143 days,	-	-	1	2	183 days,	1	362	-	-
144 days,	-	-	1	9	190 days,	1	10	2	112
150 days,	2	9	5	17	193 days,	1	20	-	-

BOOTS AND SHOES — 1891, 1892 — Concluded.

DAYS IN OPERATION — Concluded.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
197 days,	1	75	-	-	270 days,	9	832	11	796
200 days,	10	169	6	42	271 days,	1	16	-	-
202 days,	1	3	-	-	272 days,	1	26	-	-
210 days,	1	28	2	391	273 days,	-	-	2	222
213 days,	1	44	-	-	274 days,	-	-	2	83
215 days,	1	72	-	-	275 days,	18	1,173	20	950
216 days,	1	6	1	54	276 days,	3	495	1	276
217 days,	1	16	-	-	278 days,	4	420	1	115
218 days,	1	3	-	-	279 days,	2	37	-	-
220 days,	2	38	-	-	280 days,	17	2,065	21	1,264
225 days,	3	163	6	271	281 days,	1	56	-	-
226 days,	1	14	1	15	282 days,	4	396	3	314
227 days,	1	99	-	-	284 days,	1	183	4	595
228 days,	1	219	-	-	285 days,	8	1,425	12	2,777
229 days,	3	30	1	3	286 days,	4	379	6	256
230 days,	4	316	2	22	287 days,	3	401	2	211
231 days,	-	-	1	2	288 days,	9	483	3	206
233 days,	1	43	-	-	289 days,	1	5	2	213
234 days,	3	28	-	-	290 days,	18	2,082	16	1,739
235 days,	1	86	2	116	291 days,	1	47	4	582
237 days,	1	227	-	-	292 days,	3	206	2	561
240 days,	10	756	8	955	293 days,	2	239	2	437
244 days,	2	199	-	-	294 days,	9	1,153	12	1,674
245 days,	2	148	1	57	295 days,	12	2,021	9	741
246 days,	1	15	-	-	296 days,	1	342	4	286
247 days,	-	-	1	45	297 days,	-	-	1	50
248 days,	2	71	1	11	298 days,	8	1,278	8	594
250 days,	15	497	17	710	299 days,	3	178	2	78
252 days,	1	192	3	23	300 days,	102	6,895	126	9,681
253 days,	1	95	1	3	301 days,	1	37	6	296
254 days,	2	105	2	160	302 days,	1	114	5	468
255 days,	4	285	-	-	303 days,	7	830	8	591
256 days,	2	66	2	61	304 days,	8	1,497	5	1,048
258 days,	3	165	2	84	305 days,	5	1,617	7	1,970
259 days,	-	-	1	3	306 days,	326	13,043	304	15,471
260 days,	12	635	11	1,044	307 days,	2	161	1	213
262 days,	2	216	-	-	308 days,	2	216	-	-
263 days,	1	123	1	58	309 days,	1	6	1	171
264 days,	-	-	1	16	310 days,	1	8	1	75
265 days,	3	219	4	122	311 days,	-	-	1	6
266 days,	1	128	-	-	312 days,	-	-	2	46
267 days,	1	78	1	7	313 days,	3	95	3	113
268 days,	1	155	-	-					
269 days,	1	209	1	9	Totals,	731	47,045	731	49,735

BOXES (PAPER AND WOODEN). 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	144	144	=	=
Number of private firms,	137	134	−3	−2.19
Number of partners,	199	198	−1	−0.50
Males,	194	195	+1	+0.52
Females,	3	2	−1	−33.33
Special,	2	1	−1	−50.00
Number of corporations,	7	10	+3	+42.86
Number of stockholders,	78	96	+18	+23.08
Males,	60	76	+16	+26.67
Females,	16	19	+3	+18.75
Banks, trustees, etc.,	2	1	−1	−50.00
Aggregates: partners and stockholders,	277	294	+17	+6.14

CAPITAL INVESTED.

Capital Invested	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$2,440,584	$2,566,803	+$126,219	+5.17

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,487,348	$2,737,215	+$249,867	+10.05
Box-boards, pine	214,064	207,353	−6,711	−3.14
Box-boards (not specified),	85,986	89,742	+3,756	+4.37
Glue,	5,372	5,976	+604	+11.24
Logs, pine	31,250	30,600	−650	−2.08
Logs (not specified),	58,100	59,406	+1,306	+2.25
Lumber, cedar	24,346	27,500	+3,154	+12.95
Lumber, pine	190,960	234,769	+43,809	+22.94
Lumber (not specified),	251,675	278,235	+26,560	+10.55
Nails,	11,529	14,828	+3,299	+28.61
Paper, glazed	22,967	22,463	−504	−2.19
Paper, news	5,910	5,924	+14	+0.24
Paper, straw	2,120	5,700	+3,580	+168.87
Paper (not specified),	73,027	86,694	+13,667	+18.71
Pulp-board,	13,630	5,565	−8,065	−59.17
Straw-board,	281,523	352,249	+70,726	+25.12
Not classified in detail,	1,214,889	1,310,211	+95,322	+7.85

BOXES (PAPER AND WOODEN)—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Box-boards, pine	M feet	21,481	21,122	—359	—1.67
Box-boards (not specified),	M feet	9,174	9,830	+656	+7.15
Glue,	100 pounds	451	508	+57	+12.64
Glue,	barrels	95¾	104¾	+9	+9.40
Logs, pine	M feet	1,801	1,701	—100	—5.55
Logs, pine	cords	1,650	1,600	—50	—3.03
Logs (not specified),	M feet	4,600	4,650	+50	+1.09
Logs (not specified),	cords	5,025	6,110	+1,085	+21.59
Lumber, cedar	M feet	974	1,160	+186	+19.10
Lumber, pine	M feet	17,115	21,774	+4,659	+27.22
Lumber (not specified),	M feet	25,234	26,923	+1,689	+6.69
Nails,	kegs	3,636	5,085	+1,449	+39.85
Paper, glazed	reams	7,513	8,051	+538	+7.16
Paper, news	reams	4,181	4,615	+434	+10.38
Paper, straw	100 pounds	1,060	3,000	+1,940	+183.02
Paper (not specified),	100 pounds	2,515	2,834	+319	+12.68
Paper (not specified),	reams	25,443	32,440¼	+6,997¼	+27.50
Pulp-board,	tons	321	117	—204	—63.55
Straw-board,	tons	7,029	7,852¾	+823¾	+11.72

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Box-boards, pine	M feet	$9.97	$9.82	—$0.15	—1.50
Box-boards (not specified),	M feet	9.37	9.13	—0.24	—2.56
Glue,	100 pounds	7.95	7.69	—0.26	—3.27
Glue,	barrels	18.65	19.77	+1.12	+6.01
Logs, pine	M feet	12.60	13.11	+0.51	+4.05
Logs, pine	cords	5.18	5.19	+0.01	+0.19
Logs (not specified),	M feet	6.00	6.23	+0.23	+3.83
Logs (not specified),	cords	6.07	4.98	—1.09	—17.96
Lumber, cedar	M feet	25.00	23.71	—1.29	—5.16
Lumber, pine	M feet	11.16	10.78	—0.38	—3.41
Lumber (not specified),	M feet	9.97	10.33	+0.36	+3.61
Nails,	kegs	3.17	2.92	—0.25	—7.89
Paper, glazed	reams	3.06	2.79	—0.27	—8.82
Paper, news	reams	1.41	1.28	—0.13	—9.22
Paper, straw	100 pounds	2.00	1.90	—0.10	—5.00
Paper (not specified),	100 pounds	6.20	6.42	+0.22	+3.55
Paper (not specified),	reams	2.26	2.11	—0.15	—6.64
Pulp-board,	tons	42.46	47.56	+5.10	+12.01
Straw-board,	tons	40.05	44.86	+4.81	+12.01

BOXES (PAPER AND WOODEN) — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$4,720,828	$5,081,143	+$360,315	+7.63
Boxes, cigar	101,584	108,094	+6,510	+6.41
Boxes, paper	876,153	936,426	+60,273	+3.88
Boxes, wooden	1,575,456	1,663,315	+87,859	+5.58
Box shooks,	46,345	48,073	+1,728	+3.73
Not classified in detail,	2,121,290	2,325,235	+203,945	+9.61

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Boxes, cigar	hundred	10,727	11,415	+688	+6.41
Boxes, paper	hundred	424,709	494,472	+69,763	+16.43
Boxes, wooden	M feet	5,765	6,827	+1,062	+18.42
Boxes, wooden	hundred	112,290	162,704	+50,414	+44.90
Box shooks,	M feet	2,925	3,120	+195	+6.67

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Boxes, cigar	hundred	$9.47	$9.47	*=	*=
Boxes, paper	hundred	2.06	1.89	—$0.17	—8.25
Boxes, wooden	M feet	19.65	19.19	—0.46	—2.34
Boxes, wooden	hundred	13.02	9.42	—3.60	—27.65
Box shooks,	M feet	15.84	15.41	—0.43	—2.71

* No change in average values.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	3,351	3,587	+236	+7.04
Smallest number,	2,874	3,152	+278	+9.67
Greatest number,	3,842	4,061	+219	+5.70
Excess of greatest over smallest number,	968	909	—59	—6.10
Averages.				
Average number employed in each establishment,	23	25	+2	+8.70
Smallest number,	20	22	+2	+10.00
Greatest number,	27	28	+1	+3.70
Excess of greatest over smallest number,	7	6	—1	—14.29

BOXES (PAPER AND WOODEN) — 1891, 1892 — Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	1,940	1,419	3,359	2,022	1,476	3,498
February,	1,952	1,454	3,406	2,066	1,495	3,561
March,	1,955	1,456	3,411	2,094	1,498	3,592
April,	1,974	1,469	3,443	2,111	1,529	3,640
May,	1,984	1,431	3,415	2,104	1,506	3,610
June,	1,832	1,428	3,260	2,071	1,480	3,551
July,	1,864	1,366	3,230	2,049	1,470	3,519
August,	1,848	1,361	3,209	2,043	1,500	3,543
September,	1,861	1,445	3,306	2,034	1,502	3,536
October,	1,949	1,484	3,433	2,097	1,562	3,659
November,	1,932	1,475	3,407	2,117	1,557	3,674
December,	1,903	1,413	3,316	2,132	1,574	3,706
During the entire year,*	248	199	447	273	328	601

* 30 establishments in 1891; 28 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$1,280,076	$1,435,822	+$155,746	+12.17
Average yearly earnings,	382.00	400.28	+18.28	+4.79

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	92	396	488	115	388	503
$5 but under $6,	56	285	341	70	244	314
$6 but under $7,	110	350	460	142	331	473
$7 but under $8,	203	294	497	158	287	445
$8 but under $9,	180	146	326	203	150	353
$9 but under $10,	439	85	524	461	122	583
$10 but under $12,	390	72	462	446	110	556
$12 but under $15,	463	15	478	463	43	506
$15 but under $20,	193	5	198	203	5	208
$20 and over,	21	–	21	32	–	32
Totals,	2,147	1,648	3,795	2,293	1,680	3,973

BOXES (PAPER AND WOODEN)—1891, 1892—Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent, .	1	3	60 per cent, .	4	4	80 per cent, .	9	9
15 per cent, .	-	1	62 per cent, .	-	1	83 per cent, .	1	-
20 per cent, .	1	2	64 per cent, .	1	-	85 per cent, .	9	12
25 per cent, .	4	4	65 per cent, .	6	2	87 per cent, .	-	1
30 per cent, .	2	2	67 per cent, .	5	4	90 per cent, .	8	16
33 per cent, .	3	1	70 per cent, .	6	10	93 per cent, .	1	1
35 per cent, .	1	5	72 per cent, .	-	2	95 per cent, .	3	3
40 per cent, .	4	3	73 per cent, .	-	1	100 per cent, .	6	9
45 per cent, .	2	-	75 per cent, .	42	29	Totals, .	144	144
50 per cent, .	22	19	76 per cent, .	1	-			
55 per cent, .	1	-	78 per cent, .	1	-			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
75 days, .	1	2	-	-	280 days, .	4	52	7	75
90 days, .	-	-	1	1	281 days, .	1	18	1	10
135 days, .	1	4	-	-	284 days, .	-	-	1	8
150 days, .	1	6	1	3	285 days, .	2	19	1	17
153 days, .	1	12	-	-	286 days, .	-	-	1	58
154 days, .	1	1	-	-	287 days, .	2	37	2	30
160 days, .	-	-	1	12	288 days, .	-	-	1	16
168 days, .	1	17	1	13	289 days, .	1	11	-	-
184 days, .	1	5	-	-	290 days, .	8	104	8	141
200 days, .	3	10	4	27	292 days, .	2	47	-	-
217 days, .	-	-	1	5	293 days, .	-	-	1	11
220 days, .	1	4	-	-	294 days, .	1	62	1	33
225 days, .	-	-	1	4	295 days, .	3	45	2	38
227 days, .	1	8	-	-	296 days, .	-	-	1	3
230 days, .	2	26	1	8	298 days, .	2	95	2	104
232 days, .	1	7	-	-	299 days, .	1	55	2	89
234 days, .	1	8	-	-	300 days, .	32	835	30	771
235 days, .	1	31	-	-	301 days, .	1	10	-	-
240 days, .	3	47	-	-	302 days, .	2	88	1	4
243 days, .	1	12	-	-	303 days, .	1	32	2	23
248 days, .	-	-	1	11	304 days, .	1	28	4	99
250 days, .	3	38	5	34	305 days, .	1	16	1	68
260 days, .	3	123	2	62	306 days, .	37	993	36	1,160
263 days, .	-	-	1	53	307 days, .	2	20	1	35
264 days, .	-	-	1	6	308 days, .	-	-	4	76
266 days, .	-	-	1	6	309 days, .	-	-	2	180
270 days, .	4	103	2	74	310 days, .	1	66	2	45
273 days, .	2	110	-	-	312 days, .	-	-	1	26
275 days, .	4	39	3	57	313 days, .	1	63	1	24
278 days, .	1	42	-	-					
279 days, .	-	-	1	31	Totals,	144	3,351	144	3,587

BRICK, TILES, AND SEWER PIPE. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	46	46	=	=
Number of private firms,	37	36	—1	—2.70
Number of partners,	59	60	+1	+1.69
Males,	55	55	=	=
Females,	4	5	+1	+25.00
Number of corporations,	9	10	+1	+11.11
Number of stockholders,	253	286	+33	+13.04
Males,	194	217	+23	+11.86
Females,	56	68	+12	+21.43
Banks, trustees, etc.,	3	1	—2	—66.67
Aggregates: partners and stockholders,	312	346	+34	+10.90

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,556,345	$1,662,676	+$106,331	+6.83

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$431,631	$408,766	—$22,865	—5.30
Clay,	85,346	73,531	—11,815	—13.84
Coal,	39,209	28,645	—10,564	—26.94
Coal dust,	3,220	2,516	—704	—21.86
Wood,	166,167	154,958	—11,209	—6.75
Not classified in detail,	137,689	149,116	+11,427	+8.30

BRICK, TILES, AND SEWER PIPE—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Clay,	tons	44,796½	40,876	—3,920½	—8.75
Coal,	tons	9,435	7,312	—2,123	—22.50
Coal dust,	tons	1,289	1,182	—107	—8.30
Wood,	cords	42,160¼	39,322	—2,838¼	—6.73

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Clay,	tons	$1.91	$1.80	—$0.11	—5.76
Coal,	tons	4.16	3.92	—0.24	—5.77
Coal dust,	tons	2.50	2.13	—0.37	—14.80
Wood,	cords	3.94	3.94	*=	*=

* No change in average values.

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,498,114	$1,478,979	—$19,135	—1.28
Brick, common	703,581	670,937	—32,644	—4.64
Brick, face	58,751	57,345	—1,406	—2.39
Brick, fire	201,290	212,225	+10,935	+5.43
Not classified in detail,	534,492	538,472	+3,980	+0.74

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Brick, common	thousand	115,768½	109,478	—6,290½	—5.43
Brick, face	thousand	3,948	3,855	—93	—2.36
Brick, fire	thousand	5,016	4,041	—975	—19.44

BRICK, TILES, AND SEWER PIPE — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Brick, common	thousand	$6.08	$6.13	+$0.05	+0.82
Brick, face	thousand	14.88	14.88	*=	*=
Brick, fire	thousand	40.13	52.52	+12.39	+30.87

* No change in average values.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	1,320	1,282	—38	—2.88
Smallest number,	759	680	—79	—10.41
Greatest number,	2,013	1,935	—78	—3.87
Excess of greatest over smallest number,	1,254	1,255	+1	+0.08
Averages.				
Average number employed in each establishment,	29	28	—1	—3.45
Smallest number,	17	15	—2	—11.76
Greatest number,	44	42	—2	—4.55
Excess of greatest over smallest number,	27	27	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	682	6	688	670	4	674
February,	683	6	689	666	4	670
March,	759	6	765	703	4	707
April,	1,283	6	1,289	1,325	4	1,329
May,	1,882	6	1,888	1,759	4	1,763
June,	1,869	6	1,875	1,838	3	1,841
July,	1,851	5	1,856	1,823	3	1,826
August,	1,848	9	1,857	1,789	3	1,792
September,	1,761	11	1,772	1,678	3	1,681
October,	1,422	8	1,430	1,372	3	1,375
November,	929	6	935	942	3	945
December,	758	6	764	740	3	743
During the entire year,*	78	-	78	94	-	94

* 2 establishments in 1891; 3 establishments in 1892.

BRICK, TILES, AND SEWER PIPE — 1891, 1892 — Continued.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages, ...	$608,376	$587,564	—$20,812	—3.42
Average yearly earnings, ...	460.89	458.32	—2.57	—0.56

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5, ...	31	8	39	42	3	45
$5 but under $6, . . .	25	2	27	17	2	19
$6 but under $7, . . .	83	–	83	79	–	79
$7 but under $8, . . .	183	–	183	129	–	129
$8 but under $9, . . .	278	–	278	330	–	330
$9 but under $10, . . .	523	–	523	543	–	543
$10 but under $12, . . .	490	–	490	475	–	475
$12 but under $15, . . .	202	1	203	170	–	170
$15 but under $20, . . .	115	–	115	115	–	115
$20 and over, ...	47	–	47	49	–	49
Totals, ...	1,977	11	1,988	1,949	5	1,954

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
8 per cent, .	–	1	71 per cent, .	–	1	88 per cent, .	–	1
10 per cent, .	1	1	72 per cent, .	1	–	90 per cent, .	3	5
25 per cent, .	1	1	75 per cent, .	4	7	95 per cent, .	1	2
50 per cent, .	8	7	77 per cent, .	–	1	100 per cent, .	12	9
60 per cent, .	1	1	80 per cent, .	8	5			
63 per cent, .	1	1	81 per cent, .	–	1	Totals, .	46	46
67 per cent, .	1	–	85 per cent, .	1	2			
70 per cent, .	2	–	87 per cent, .	1	–			

BRICK, TILES, AND SEWER PIPE — 1891, 1892 — Concluded.

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
60 days, .	-	-	1	1	191 days, .	-	-	1	22
78 days, .	1	1	-	-	195 days, .	1	22	-	-
130 days, .	1	43	1	5	200 days, .	2	36	2	37
137 days, .	-	-	1	12	210 days, .	1	39	-	-
149 days, .	1	9	-	-	224 days, .	1	32	-	-
150 days, .	6	100	5	73	231 days, .	1	9	-	-
152 days, .	-	-	1	22	250 days, .	1	47	-	-
154 days, .	4	46	3	40	280 days, .	1	14	1	16
155 days, .	1	21	-	-	290 days, .	1	27	1	24
156 days, .	1	8	-	-	291 days, .	-	-	1	44
162 days, .	1	17	-	-	298 days, .	2	225	-	-
163 days, .	1	25	-	-	297 days, .	-	-	1	26
165 days, .	-	-	1	33	300 days, .	1	20	-	-
167 days, .	-	-	1	74	302 days, .	1	20	-	-
169 days, .	1	31	1	28	303 days, .	2	36	-	-
172 days, .	-	-	1	32	304 days, .	-	-	1	18
174 days, .	1	19	-	-	306 days, .	3	156	7	398
175 days, .	1	28	1	27	307 days, .	-	-	1	60
178 days, .	-	-	3	53	308 days, .	1	60	-	-
179 days, .	2	37	-	-	309 days, .	-	-	1	72
180 days, .	1	33	1	19	313 days, .	-	-	1	16
182 days, .	3	46	5	97					
185 days, .	-	-	1	12	Totals, .	46	1,320	46	1,282
190 days, .	1	18	1	21					

BROOMS, BRUSHES, AND MOPS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	22	22	=	=
Number of private firms,	20	20	=	=
Number of partners,	34	35	+1	+2.94
Males,	33	33	=	=
Females,	1	2	+1	+100.00
Number of corporations,	2	2	=	=
Number of stockholders,	38	37	—1	—2.63
Males,	23	23	=	=
Females,	11	11	=	=
Banks, trustees, etc.,	4	3	—1	—25.00
Aggregates: partners and stockholders,	72	72	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$848,373	$823,644	—$24,729	—2.91

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$780,129	$848,758	+$68,629	+8.80
Bristles, American	333,583	353,480	+19,897	+5.96
Bristles, foreign	38,891	36,338	—2,553	—6.56
Not classified in detail,	407,655	458,940	+51,285	+12.58

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Bristles, American	100 pounds	2,761	2,859	+98	+3.55
Bristles, foreign	100 pounds	276	281	+5	+1.81

BROOMS, BRUSHES, AND MOPS — 1891, 1892 — Continued.

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Bristles, American	100 pounds	$120.82	$123.64	+$2.82	+2.33
Bristles, foreign	100 pounds	140.91	129.32	—11.59	—8.23

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done, .	$1,357,481	$1,493,787	+$136,306	+10.04
Brooms, ...	23,036	32,499	+9,463	+41.08
Brushes, ...	210,462	212,337	+1,875	+0.89
Not classified in detail, ...	1,123,983	1,248,951	+124,968	+11.12

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Brooms, ...	dozen	18,420	20,645	+2,225	+12.08
Brushes, ...	dozen	141,512	137,198	—4,314	—3.05

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Brooms, ...	dozen	$1.25	$1.57	+$0.32	+25.60
Brushes, ...	dozen	1.49	1.55	+0.06	+4.03

BROOMS, BRUSHES, AND MOPS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	846	881	+35	+4.14
Smallest number,	778	813	+35	+4.50
Greatest number,	921	972	+51	+5.54
Excess of greatest over smallest number,	143	159	+16	+11.19
Averages.				
Average number employed in each establishment,	38	40	+2	+5.26
Smallest number,	35	37	+2	+5.71
Greatest number,	42	44	+2	+4.76
Excess of greatest over smallest number,	7	7	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	524	342	866	462	413	875
February,	521	339	860	459	413	872
March,	522	355	877	468	424	892
April,	497	344	841	464	426	890
May,	494	338	832	453	426	879
June,	501	351	852	446	426	872
July,	489	342	831	447	415	862
August,	494	337	831	440	417	857
September,	499	335	834	451	428	879
October,	502	349	851	462	428	890
November,	497	344	841	463	425	888
December,	504	342	846	468	437	905
During the entire year,*	300	136	436	259	198	457

* 7 establishments in 1891; 8 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$304,812	$325,747	+$20,935	+6.87
Average yearly earnings,	360.30	369.75	+9.45	+2.62

BROOMS, BRUSHES, AND MOPS—1891, 1892—Concluded

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	91	217	308	76	235	311
$5 but under $6,	36	85	121	40	106	146
$6 but under $7,	44	44	88	40	65	105
$7 but under $8,	32	17	49	24	24	48
$8 but under $9,	20	13	33	19	16	35
$9 but under $10,	37	2	39	33	7	40
$10 but under $12,	42	3	45	46	8	54
$12 but under $15,	105	3	108	84	5	89
$15 but under $20,	83	1	84	97	2	99
$20 and over,	54	-	54	46	-	46
Totals,	544	385	929	505	468	973

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	-	1	60 per cent,	1	-	80 per cent,	3	1
20 per cent,	1	-	65 per cent,	1	-	85 per cent,	-	2
25 per cent,	1	1	67 per cent,	-	1	90 per cent,	2	-
40 per cent,	1	-	68 per cent,	1	-	98 per cent,	-	1
50 per cent,	4	4	71 per cent,	-	1	100 per cent,	3	4
58 per cent,	-	1	75 per cent,	4	5	Totals,	22	22

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
123 days,	1	1	-	-	298 days,	1	13	-	-
247 days,	1	4	-	-	299 days,	-	-	1	90
250 days,	1	4	-	-	300 days,	1	1	3	20
276 days,	1	5	-	-	301 days,	-	-	1	53
280 days,	-	-	1	1	305 days,	-	-	2	42
281 days,	1	40	-	-	306 days,	13	678	10	600
284 days,	-	-	1	49	310 days,	-	-	1	6
285 days,	1	84	1	4	Totals,	22	846	22	881
296 days,	1	16	1	16					

BURIAL CASES, CASKETS, COFFINS, ETC. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	6	6	=	=
Number of private firms,	5	5	=	=
Number of partners,	6	6	=	=
Males,	6	6	=	=
Number of corporations,	1	1	=	=
Number of stockholders,	39	39	=	=
Males,	29	29	=	=
Females,	5	5	=	=
Banks, trustees, etc.,	5	5	=	=
Aggregates: partners and stockholders,	45	45	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$366,369	$358,009	−$8,360	−2.28

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$192,671	$193,735	+$1,064	+0.55

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$322,096	$319,750	−$2,346	−0.73

BURIAL CASES, CASKETS, COFFINS, ETC. — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	179	185	+6	+3.35
Smallest number,	176	181	+5	+2.84
Greatest number,	182	188	+6	+3.30
Excess of greatest over smallest number,	6	7	+1	+16.67
Averages.				
Average number employed in each establishment,	30	31	+1	+3.33
Smallest number,	29	30	+1	+3.45
Greatest number,	30	31	+1	+3.33
Excess of greatest over smallest number,	1	1	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	152	27	179	159	28	187
February,	152	29	181	159	29	188
March,	149	29	178	158	29	187
April,	149	30	179	158	28	186
May,	150	30	180	157	27	184
June,	150	28	178	158	27	185
July,	152	29	181	155	26	181
August,	152	28	180	157	29	186
September,	149	29	178	155	28	183
October,	149	29	178	157	28	185
November,	148	28	176	156	27	183
December,	149	28	177	158	28	186
During the entire year,*	129	25	154	136	25	161

* 4 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$93,364	$100,484	+$7,120	+7.63
Average yearly earnings,	521.59	543.16	+21.57	+4.14

BURIAL CASES, CASKETS, COFFINS, ETC.—1891, 1892 —Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	2	3	5	-	4	4
$5 but under $6,	-	2	2	2	-	2
$6 but under $7,	6	1	7	3	2	5
$7 but under $8,	4	-	4	7	-	7
$8 but under $9,	8	7	15	8	5	13
$9 but under $10,	9	8	17	6	10	16
$10 but under $12,	9	1	10	14	2	16
$12 but under $15,	60	1	61	60	-	60
$15 but under $20,	50	-	50	49	-	49
$20 and over,	5	-	5	5	-	5
Totals,	153	23	176	154	23	177

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
60 per cent,	1	1	93 per cent,	-	1	100 per cent,	2	1
70 per cent,	-	1	95 per cent,	1	1	Totals,	6	6
75 per cent,	2	1						

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
300 days,	1	1	-	-	310 days,	-	-	1	6
306 days,	4	172	5	179					
309 days,	1	6	-	-	Totals,	6	179	6	185

BUTTONS AND DRESS TRIMMINGS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	18	18	=	=
Number of private firms,	12	12	=	=
Number of partners,	21	21	=	=
Males,	19	19	=	=
Females,	1	1	=	=
Special,	1	1	=	=
Number of corporations,	6	6	=	=
Number of stockholders,	80	79	—1	—1.25
Males,	60	61	+1	+1.67
Females,	17	16	—1	—5.88
Banks, trustees, etc.,	3	2	—1	—33.33
Aggregates: partners and stockholders,	101	100	—1	—0.99

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$912,263	$938,781	+$26,518	+2.91

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$650,635	$702,832	+$52,197	+8.02

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,438,268	$1,566,020	+$127,752	+8.88

BUTTONS AND DRESS TRIMMINGS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	1,213	1,325	+112	+9.23
Smallest number,	1,017	1,094	+77	+7.57
Greatest number,	1,423	1,536	+113	+7.94
Excess of greatest over smallest number,	406	442	+36	+8.87
Averages.				
Average number employed in each establishment,	67	74	+7	+10.45
Smallest number,	57	61	+4	+7.02
Greatest number,	79	85	+6	+7.59
Excess of greatest over smallest number,	22	24	+2	+9.09

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	306	852	1,158	360	884	1,244
February,	317	937	1,254	379	971	1,350
March,	313	961	1,274	388	1,048	1,436
April,	313	966	1,279	373	1,013	1,386
May,	311	917	1,228	364	957	1,321
June,	318	870	1,188	378	889	1,267
July,	324	841	1,165	390	911	1,301
August,	331	849	1,180	390	870	1,260
September,	323	832	1,155	393	905	1,298
October,	328	889	1,217	388	980	1,368
November,	329	897	1,226	380	959	1,339
December,	325	909	1,234	365	945	1,310
During the entire year,*	13	24	37	18	27	45

* 2 establishments in 1891; 4 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$424,145	$473,786	+$49,641	+11.70
Average yearly earnings,	349.67	357.57	+7.90	+2.26

BUTTONS AND DRESS TRIMMINGS — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	57	426	483	66	340	406
$5 but under $6,	34	258	292	41	373	414
$6 but under $7,	28	165	193	32	157	189
$7 but under $8,	44	83	127	47	94	141
$8 but under $9,	28	34	62	35	44	79
$9 but under $10,	48	20	68	59	29	88
$10 but under $12,	54	16	70	56	10	66
$12 but under $15,	73	-	73	87	2	89
$15 but under $20,	52	-	52	72	1	73
$20 and over,	20	-	20	18	-	18
Totals,	438	1,002	1,440	513	1,050	1,563

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
25 per cent,	1	1	65 per cent,	1	-	95 per cent,	1	-
40 per cent,	1	2	67 per cent,	-	1	98 per cent,	-	1
45 per cent,	1	-	70 per cent,	1	-	100 per cent,	3	1
50 per cent,	2	2	71 per cent,	-	1			
55 per cent,	-	1	75 per cent,	3	4	Totals,	18	18
60 per cent,	3	3	90 per cent,	1	1			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
220 days,	-	-	1	15	297 days,	-	-	1	37
250 days,	1	13	-	-	300 days,	1	40	4	146
259 days,	1	3	-	-	301 days,	1	24	-	-
268 days,	-	-	1	82	302 days,	1	135	-	-
275 days,	1	74	-	-	304 days,	3	106	2	212
284 days,	1	78	1	74	305 days,	1	453	2	490
285 days,	-	-	1	78	306 days,	5	149	4	183
291 days,	1	131	-	-	310 days,	-	-	1	8
294 days,	1	7	-	-	Totals,	18	1,213	18	1,325

CARPETINGS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	12	12	=	=
Number of private firms,	5	5	=	=
Number of partners,	5	5	=	=
Males,	5	5	=	=
Number of corporations,	7	7	=	=
Number of stockholders,	957	980	+23	+2.40
Males,	441	453	+12	+2.72
Females,	339	359	+20	+5.90
Banks, trustees, etc.,	177	168	—9	—5.08
Aggregates: partners and stockholders,	962	985	+23	+2.39

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$7,937,108	$8,078,754	+$141,646	+1.78

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$5,404,428	$5,420,996	+$16,568	+0.31
Wool (not specified),	2,458,663	2,392,776	—65,887	—2.68
Yarn, cotton	144,999	153,229	+8,230	+5.68
Yarn, linen	160,230	158,235	—1,995	—1.25
Yarn, jute	96,465	100,230	+3,765	+3.90
Not classified in detail,	2,544,071	2,616,526	+72,455	+2.85

CARPETINGS — 1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Wool (not specified),	100 pounds	135,365	133,562	—1,803	—1.33
Yarn, cotton	100 pounds	9,347	11,434	+2,087	+22.33
Yarn, linen	100 pounds	10,144	10,301	+157	+1.55
Yarn, jute	100 pounds	12,677	13,770	+1,093	+8.62

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Wool (not specified),	100 pounds	$18.16	$17.92	—$0.24	—1.32
Yarn, cotton	100 pounds	15.51	13.40	—2.11	—13.60
Yarn, linen	100 pounds	15.80	15.36	—0.44	—2.78
Yarn, jute	100 pounds	7.61	7.28	—0.33	—4.34

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$9,458,306	$8,659,903	—$798,403	—8.44
Carpeting, Brussels	3,014,062	2,820,543	—193,519	—6.42
Carpeting, Wilton	1,055,720	1,125,716	+69,996	+6.63
Not classified in detail,	5,388,524	4,713,644	—674,880	—12.52

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Carpeting, Brussels	100 yards	32,903	32,891	—12	—0.04
Carpeting, Wilton	100 yards	6,588	7,346	+758	+11.51

CARPETINGS — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Carpeting, Brussels . . .	100 yards	$91.60	$85.75	—$5.85	—6.39
Carpeting, Wilton . . .	100 yards	160.25	153.24	—7.01	—4.37

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number, ...	5,056	5,065	+9	+0.18
Smallest number, ...	4,678	4,703	+25	+0.53
Greatest number, ...	5,293	5,315	+22	+0.42
Excess of greatest over smallest number, .	615	612	—3	—0.49
Averages.				
Average number employed in each establishment, ...	421	422	+1	+0.24
Smallest number, ...	390	392	+2	+0.51
Greatest number, ...	441	443	+2	+0.45
Excess of greatest over smallest number, .	51	51	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January, ...	2,309	2,836	5,145	2,269	2,698	4,967
February, ...	2,330	2,865	5,195	2,279	2,740	5,019
March, ...	2,356	2,861	5,217	2,291	2,783	5,074
April, ...	2,327	2,769	5,096	2,261	2,743	5,004
May, ...	2,269	2,720	4,989	2,293	2,779	5,072
June, ...	2,269	2,771	5,040	2,317	2,808	5,125
July, ...	2,276	2,730	5,006	2,327	2,888	5,215
August, ...	2,263	2,722	4,985	2,316	2,834	5,150
September, ...	2,284	2,734	5,018	2,326	2,872	5,198
October, ...	2,226	2,689	4,915	2,336	2,884	5,220
November, ...	2,300	2,759	5,059	2,293	2,669	4,962
December, ...	2,287	2,719	5,006	2,278	2,605	4,883

CARPETINGS — 1891, 1892 — Concluded.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages, ...	$1,881,199	$1,956,176	+$74,977	+3.99
Average yearly earnings, ...	372.07	386.21	+14.14	+3.80

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5, ...	500	901	1,401	383	843	1,226
$5 but under $6, ...	179	573	752	183	509	692
$6 but under $7, ...	300	393	693	319	398	717
$7 but under $8, ...	170	315	485	173	251	424
$8 but under $9, ...	274	204	478	241	231	472
$9 but under $10, ...	307	201	508	293	294	587
$10 but under $12, ...	239	216	455	287	264	551
$12 but under $15, ...	269	21	290	334	23	357
$15 but under $20, ...	137	1	138	169	1	170
$20 and over, ...	44	-	44	39	-	39
Totals, ...	2,419	2,825	5,244	2,421	2,814	5,235

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent, .	1	1	75 per cent, .	1	2	95 per cent, .	2	2
55 per cent, .	-	1	80 per cent, .	1	1	100 per cent, .	2	3
60 per cent, .	1	-	87 per cent, .	-	1			
68 per cent, .	1	-	90 per cent, .	1	-	Totals, .	12	12
70 per cent, .	1	1	92 per cent, .	1	-			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
279 days, .	1	9	1	66	301 days, .	1	306	-	-
285 days, .	-	-	1	11	302 days, .	1	9	1	8
289 days, .	-	-	1	1,077	304 days, .	-	-	2	1,061
291 days, .	1	65	-	-	306 days, .	3	2,761	1	342
292 days, .	1	37	-	-	307 days, .	1	23	1	21
293 days, .	-	-	1	379	310 days, .	1	14	-	-
294 days, .	1	1,074	-	-	313 days, .	-	-	2	2,062
295 days, .	-	-	1	38					
299 days, .	1	756	-	-	Totals, .	12	5,056	12	5,065

CARRIAGES AND WAGONS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	129	129	=	=
Number of private firms,	118	116	—2	—1.69
Number of partners,	174	164	—10	—5.75
Males,	168	161	—7	—4.17
Females,	2	-	—2	—100.00
Special,	3	2	—1	—33.33
Estates,	1	1	=	=
Number of corporations,	11	13	+2	+18.18
Number of stockholders,	199	296	+97	+48.74
Males,	125	212	+87	+69.60
Females,	56	66	+10	+17.86
Banks, trustees, etc.,	18	18	=	=
Aggregates: partners and stockholders,	373	460	+87	+23.32

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$3,321,030	$3,352,995	+$31,965	+0.96

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$1,913,039	$2,055,369	+$142,330	+7.44

CARRIAGES AND WAGONS — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$4,671,961	$4,720,832	+$48,871	+1.05
Buggies,	116,121	110,061	−6,060	−5.22
Carriages,	1,121,660	1,123,248	+1,588	+0.14
Wagons,	112,426	138,196	+25,770	+22.92
Not classified in detail,	3,321,754	3,349,327	+27,573	+0.83

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Buggies,		1,041	934	−107	−10.28
Carriages,		7,200	7,325	+125	+1.74
Wagons,		644	771	+127	+19.72

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Buggies,		$111.55	$117.84	+$6.29	+5.64
Carriages,		155.79	153.34	−2.45	−1.57
Wagons,		174.57	179.24	+4.67	+2.68

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	2,603	2,644	+41	+1.58
Smallest number,	2,032	2,051	+19	+0.94
Greatest number,	3,223	3,241	+18	+0.56
Excess of greatest over smallest number,	1,191	1,190	−1	−0.08
Averages.				
Average number employed in each establishment,	20	20	*=	*=
Smallest number,	16	16	*=	*=
Greatest number,	25	25	*=	*=
Excess of greatest over smallest number,	9	9	*=	*=

* No change.

CARRIAGES AND WAGONS—1891, 1892—Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	2,502	34	2,536	2,594	31	2,625
February,	2,541	34	2,575	2,674	30	2,704
March,	2,695	34	2,729	2,848	30	2,878
April,	2,879	34	2,913	3,013	30	3,043
May,	2,977	34	3,011	3,014	30	3,044
June,	2,968	26	2,994	2,925	20	2,945
July,	2,690	25	2,715	2,526	20	2,546
August,	2,483	23	2,506	2,360	20	2,380
September,	2,291	33	2,324	2,343	29	2,372
October,	2,200	33	2,233	2,330	30	2,360
November,	2,224	34	2,258	2,333	30	2,363
December,	2,232	34	2,266	2,363	30	2,393
During the entire year,*	324	3	327	285	–	285

* 29 establishments in 1891; 22 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$1,549,351	$1,591,731	+$42,380	+2.74
Average yearly earnings,	595.22	602.02	+6.80	+1.14

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	79	1	80	76	–	76
$5 but under $6,	67	2	69	76	3	79
$6 but under $7,	83	8	91	56	6	62
$7 but under $8,	139	11	150	109	7	116
$8 but under $9,	170	5	175	158	4	162
$9 but under $10,	325	7	332	302	10	312
$10 but under $12,	552	2	554	535	1	536
$12 but under $15,	811	–	811	967	–	967
$15 but under $20,	705	–	705	758	–	758
$20 and over,	153	–	153	152	–	152
Totals,	3,084	36	3,120	3,189	31	3,220

CARRIAGES AND WAGONS—1891, 1892—Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent, .	2	-	57 per cent, .	-	1	80 per cent, .	6	6
15 per cent, .	1	2	60 per cent, .	3	5	85 per cent, .	-	3
20 per cent, .	-	1	62 per cent, .	1	-	88 per cent, .	1	-
25 per cent, .	7	8	63 per cent, .	1	1	90 per cent, .	13	10
33 per cent, .	3	2	65 per cent, .	4	4	95 per cent, .	1	1
35 per cent, .	1	1	66 per cent, .	-	1	100 per cent, .	21	22
40 per cent, .	2	4	67 per cent, .	1	2			
50 per cent, .	31	20	70 per cent, .	1	2	Totals, .	129	129
55 per cent, .	1	-	75 per cent, .	28	33			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
100 days, .	1	7	-	-	285 days, .	4	87	1	1
130 days, .	1	4	-	-	286 days, .	2	58	2	143
153 days, .	1	1	-	-	288 days, .	1	109	1	109
178 days, .	1	3	-	-	289 days, .	1	81	-	-
182 days, .	-	-	1	1	290 days, .	1	48	4	85
230 days, .	1	9	2	26	294 days, .	-	-	1	12
231 days, .	1	16	-	-	295 days, .	2	306	3	80
240 days, .	1	1	1	18	296 days, .	2	68	-	-
243 days, .	1	23	-	-	297 days, .	1	14	1	305
246 days, .	-	-	1	3	298 days, .	-	-	1	13
247 days, .	1	4	-	-	300 days, .	19	405	19	376
250 days, .	3	30	-	-	304 days, .	-	-	4	59
252 days, .	1	20	-	-	305 days, .	5	93	4	75
260 days, .	-	-	4	71	306 days, .	58	941	63	1,001
265 days, .	1	33	2	24	307 days, .	1	42	2	69
270 days, .	1	21	3	27	308 days, .	5	30	2	15
275 days, .	5	23	1	13	309 days, .	1	18	-	-
278 days, .	1	23	1	27	310 days, .	-	-	1	50
280 days, .	4	31	3	40	311 days, .	1	4	-	-
284 days, .	-	-	1	1	Totals, .	129	2,603	129	2,644

CEMENT, KAOLIN, LIME, AND PLASTER. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	7	7	=	=
Number of private firms,	5	5	=	=
Number of partners,	9	9	=	=
Males,	9	9	=	=
Number of corporations,	2	2	=	=
Number of stockholders,	17	19	+2	+11.76
Males,	15	16	+1	+6.67
Females,	2	2	=	=
Banks, trustees, etc.,	-	1	+1	-
Aggregates: partners and stockholders,	26	28	+2	+7.69

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$113,566	$90,300	—$23,266	—20.49

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$118,393	$167,540	+$49,147	+41.51

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$171,081	$239,886	+$68,805	+40.22

CEMENT, KAOLIN, LIME, AND PLASTER—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	90	96	+6	+6.67
Smallest number,	84	78	−6	−7.14
Greatest number,	115	119	+4	+3.48
Excess of greatest over smallest number,	31	41	+10	+32.26
Averages.				
Average number employed in each establishment,	13	14	+1	+7.69
Smallest number,	12	11	−1	−8.33
Greatest number,	16	17	+1	+6.25
Excess of greatest over smallest number,	4	6	+2	+50.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	79	-	79	78	-	78
February,	79	-	79	78	-	78
March,	76	-	76	80	-	80
April,	79	-	79	80	-	80
May,	111	-	111	113	-	113
June,	95	-	95	98	-	98
July,	90	-	90	105	-	105
August,	94	-	94	107	-	107
September,	97	-	97	109	-	109
October,	102	-	102	109	-	109
November,	95	-	95	99	-	99
December,	79	-	79	85	-	85
During the entire year,*	7	-	7	15	-	15

* 3 establishments in 1891; 5 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$42,140	$45,684	+$3,544	+8.41
Average yearly earnings,	468.22	475.88	+7.66	+1.64

CEMENT, KAOLIN, LIME, AND PLASTER—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	-	-	-	-	-	-
$5 but under $6,	-	-	-	-	-	-
$6 but under $7,	-	-	-	-	-	-
$7 but under $8,	-	-	-	3	-	3
$8 but under $9,	-	-	-	-	-	-
$9 but under $10,	66	-	66	77	-	77
$10 but under $12,	5	-	5	6	-	6
$12 but under $15,	14	-	14	10	-	10
$15 but under $20,	7	-	7	9	-	9
$20 and over,	-	-	-	1	-	1
Totals,	92	-	92	106	-	106

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
40 per cent,	1	-	70 per cent,	-	1	90 per cent,	-	1
50 per cent,	1	1	75 per cent,	4	1	92 per cent,	-	2
55 per cent,	-	1	89 per cent,	1	-	Totals,	7	7

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
117 days,	1	1	-	-	300 days,	2	4	2	8
260 days,	1	29	-	-	304 days,	1	47	-	-
276 days,	1	6	-	-	305 days,	-	-	1	52
280 days,	-	-	1	29	306 days,	-	-	1	8
290 days,	-	-	1	2					
292 days,	1	8	1	2	Totals,	7	90	7	96

CHEMICAL PREPARATIONS (COMPOUNDED). 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	11	11	=	=
Number of private firms,	7	7	=	=
Number of partners,	11	11	=	=
Males,	9	9	=	=
Females,	2	2	=	=
Number of corporations,	4	4	=	=
Number of stockholders,	36	41	+5	+13.89
Males,	29	31	+2	+6.90
Females,	4	7	+3	+75.00
Banks, trustees, etc.,	3	3	=	=
Aggregates: partners and stockholders,	47	52	+5	+10.64

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$798,707	$811,857	+$13,150	+1.65

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$575,990	$650,250	+$74,260	+12.89

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,052,753	$1,236,122	+$183,369	+17.42

CHEMICAL PREPARATIONS (COMPOUNDED) — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	298	342	+44	+14.77
Smallest number,	270	305	+35	+12.96
Greatest number,	323	379	+56	+17.34
Excess of greatest over smallest number,	53	74	+21	+39.62
Averages.				
Average number employed in each establishment,	27	31	+4	+14.81
Smallest number,	25	28	+3	+12.00
Greatest number,	29	34	+5	+17.24
Excess of greatest over smallest number,	4	6	+2	+50.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	270	2	272	312	3	315
February,	271	2	273	308	3	311
March,	304	2	306	309	3	312
April,	308	2	310	343	4	347
May,	294	2	296	341	4	345
June,	286	3	289	337	4	341
July,	298	3	301	329	4	333
August,	298	3	301	346	4	350
September,	306	3	309	349	4	353
October,	303	2	305	356	4	360
November,	301	2	303	371	2	373
December,	308	2	310	370	2	372
During the entire year,*	47	2	49	48	-	48

* 7 establishments in 1891; 6 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$176,663	$203,431	+$26,768	+15.15
Average yearly earnings,	592.83	594.83	+2.00	+0.34

CHEMICAL PREPARATIONS (COMPOUNDED) — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	3	1	4	-	1	1
$5 but under $6,	3	-	3	2	-	2
$6 but under $7,	4	-	4	8	1	9
$7 but under $8,	3	1	4	3	-	3
$8 but under $9,	7	-	7	11	1	12
$9 but under $10,	121	-	121	134	-	134
$10 but under $12,	66	1	67	72	1	73
$12 but under $15,	86	-	86	116	-	116
$15 but under $20,	23	-	23	25	-	25
$20 and over,	4	-	4	5	-	5
Totals,	320	3	323	376	4	380

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	5	5	75 per cent,	2	2	100 per cent,	1	1
67 per cent,	2	-	85 per cent,	1	-	Totals,	11	11
70 per cent,	-	1	90 per cent,	-	2			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
150 days,	-	-	1	1	265 days,	-	-	1	1
154 days,	1	1	-	-	300 days,	1	4	1	7
234 days,	1	2	-	-	305 days,	1	8	1	8
240 days,	-	-	1	2	306 days,	5	205	5	306
247 days,	1	62	-	-					
250 days,	1	16	1	15	Totals,	11	296	11	342

CLOCKS, WATCHES, AND JEWELRY. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	85	85	=	=
Number of private firms,	78	78	=	=
Number of partners,	159	158	—1	—0.63
Males,	151	149	—2	—1.32
Females,	6	7	+1	+16.67
Special,	2	2	=	=
Number of corporations,	7	7	=	=
Number of stockholders,	214	255	+41	+19.16
Males,	187	224	+37	+19.79
Females,	27	31	+4	+14.81
Aggregates: partners and stockholders,	373	413	+40	+10.72

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$5,201,554	$4,997,242	—$204,312	—3.93

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$1,916,344	$2,103,782	+$187,438	+9.78
Brass,	25,129	24,392	—737	—2.93
Gold,	205,105	227,166	+22,061	+10.76
Silver,	185,925	219,083	+33,158	+17.83
Not classified in detail,	1,500,185	1,633,141	+132,956	+8.86

CLOCKS, WATCHES, AND JEWELRY—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Brass,	100 pounds	1,421	1,419	—2	—0.14
Gold,	ounces	10,105	11,230	+1,125	+11.13
Silver,	ounces	189,247	252,203	+62,956	+33.27

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Brass,	100 pounds	$17.68	$17.19	—$0.49	—2.77
Gold,	ounces	20.30	20.23	—0.07	—0.34
Silver,	ounces	0.98	0.87	—0.11	—11.22

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$5,956,358	$6,229,540	+$273,182	+4.59
Buttons, collar	134,836	161,614	+26,778	+19.86
Buttons, sleeve	220,613	263,736	+43,123	+19.55
Cases, watch	298,809	301,253	+2,444	+0.82
Chains,	269,204	255,408	—13,796	—5.12
Charms, watch	91,500	90,104	—1,396	—1.53
Not classified in detail,	4,941,396	5,157,425	+216,029	+4.37

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Buttons, collar	gross	16,738	21,227	+4,489	+26.82
Buttons, sleeve	gross	9,016	8,078	—938	—10.40
Cases, watch		48,739	62,227	+13,488	+27.67
Chains,	dozen	40,417	39,162	—1,255	—3.11
Charms, watch	gross	2,650	2,950	+300	+11.32

CLOCKS, WATCHES, AND JEWELRY — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Buttons, collar	gross	$8.06	$7.61	—$0.45	—5.58
Buttons, sleeve	gross	24.47	32.65	+8.18	+33.43
Cases, watch		6.13	4.84	—1.29	—21.04
Chains,	dozen	6.66	6.52	—0.14	—2.10
Charms, watch	gross	34.53	30.54	—3.99	—11.56

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	3,383	3,312	—71	—2.10
Smallest number,	2,881	2,729	—152	—5.28
Greatest number,	3,886	3,689	—197	—5.07
Excess of greatest over smallest number,	1,005	960	—45	—4.48
Averages.				
Average number employed in each establishment,	40	39	—1	—2.50
Smallest number,	34	32	—2	—5.88
Greatest number,	46	43	—3	—6.52
Excess of greatest over smallest number,	12	11	—1	—8.33

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	2,627	940	3,567	2,572	870	3,442
February,	2,588	947	3,535	2,536	881	3,417
March,	2,491	925	3,416	2,412	855	3,267
April,	2,438	881	3,319	2,324	812	3,136
May,	2,360	823	3,183	2,292	775	3,067
June,	2,466	860	3,326	2,518	852	3,370
July,	2,488	863	3,351	2,487	852	3,339
August,	2,430	857	3,287	2,439	851	3,290
September,	2,529	878	3,407	2,459	857	3,316
October,	2,572	888	3,460	2,527	871	3,398
November,	2,580	848	3,428	2,488	865	3,353
December,	2,459	835	3,294	2,476	860	3,336
During the entire year,*	311	93	404	351	100	451

* 19 establishments in 1891; 21 establishments in 1892.

CLOCKS, WATCHES, AND JEWELRY — 1891, 1892 — Continued.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages, ...	$1,981,343	$1,980,880	$463	—0.02
Average yearly earnings, ...	570.90	583.00	+12.10	+2.12

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5, ...	94	141	235	84	91	175
$5 but under $6, . . .	103	206	309	104	208	312
$6 but under $7, . . .	113	119	232	117	123	240
$7 but under $8, . . .	119	180	299	129	173	302
$8 but under $9, . . .	140	128	268	160	114	274
$9 but under $10, . . .	160	100	260	170	83	253
$10 but under $12, . . .	383	46	429	359	57	416
$12 but under $15, . . .	541	30	571	553	20	573
$15 but under $20, . . .	725	4	729	681	13	694
$20 and over, ...	377	1	378	373	2	375
Totals, ...	2,755	955	3,710	2,730	884	3,614

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent, .	–	2	50 per cent, .	14	17	83 per cent, .	1	1
13 per cent, .	–	1	60 per cent, .	6	7	85 per cent, .	2	3
20 per cent, .	1	1	64 per cent, .	1	–	87 per cent, .	–	1
23 per cent, .	1	–	65 per cent, .	1	2	90 per cent, .	4	7
25 per cent, .	2	2	66 per cent, .	–	2	95 per cent, .	1	–
30 per cent, .	3	3	67 per cent, .	4	4	100 per cent, .	5	5
33 per cent, .	4	5	70 per cent, .	2	–			
35 per cent, .	2	–	73 per cent, .	–	1	Totals, .	85	85
40 per cent, .	3	1	75 per cent, .	19	13			
45 per cent, .	1	2	80 per cent, .	8	5			

CLOCKS, WATCHES, AND JEWELRY — 1891, 1892 — Concluded.

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
64 days, .	-	-	1	2	270 days, .	4	181	3	114
136 days, .	-	-	1	5	273 days, .	2	246	1	35
175 days, .	1	13	-	-	274 days, .	1	83	1	78
193 days, .	-	-	1	10	275 days, .	3	186	2	92
200 days, .	1	10	1	9	276 days, .	-	-	2	85
219 days, .	-	-	1	22	277 days, .	1	13	1	6
220 days, .	1	5	-	-	279 days, .	1	133	-	-
225 days, .	1	7	-	-	280 days, .	5	177	1	71
226 days, .	-	-	1	25	281 days, .	1	38	-	-
230 days, .	1	27	1	27	282 days, .	1	42	-	-
232 days, .	1	31	-	-	283 days, .	2	100	-	-
236 days, .	1	11	-	-	285 days, .	1	39	-	-
238 days, .	1	16	1	10	286 days, .	1	68	-	-
240 days, .	2	67	1	19	288 days, .	2	16	-	-
243 days, .	-	-	1	15	289 days, .	1	59	3	281
245 days, .	-	-	1	18	290 days, .	2	14	2	83
247 days, .	1	39	-	-	292 days, .	-	-	1	4
249 days, .	1	22	-	-	294 days, .	2	84	1	70
250 days, .	2	57	1	1	295 days, .	1	7	1	132
251 days, .	1	34	1	22	296 days, .	1	112	2	136
252 days, .	-	-	1	71	298 days, .	-	-	1	74
253 days, .	1	20	1	4	300 days, .	9	389	9	285
254 days, .	-	-	1	32	301 days, .	-	-	2	29
255 days, .	2	127	1	30	302 days, .	1	6	1	10
258 days, .	-	-	1	21	304 days, .	-	-	1	1
259 days, .	1	15	-	-	305 days, .	3	110	4	267
260 days, .	1	11	2	69	306 days, .	15	521	16	391
261 days, .	1	46	-	-	307 days, .	1	72	-	-
264 days, .	-	-	4	183	308 days, .	-	-	1	145
265 days, .	-	-	1	59	309 days, .	1	47	1	80
266 days, .	1	74	-	-	310 days, .	1	8	2	42
268 days, .	-	-	1	42	Totals, .	85	3,383	85	3,312

CLOTHING. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	140	140	=	=
Number of private firms,	122	119	—3	—2.46
Number of partners,	252	242	—10	—3.97
Males,	248	239	—9	—3.63
Females,	3	2	—1	—33.33
Special,	1	1	=	=
Number of corporations,	18	21	+3	+16.67
Number of stockholders,	515	588	+73	+14.17
Males,	368	413	+45	+12.23
Females,	131	154	+23	+17.56
Banks, trustees, etc.,	16	21	+5	+31.25
Aggregates: partners and stockholders,	767	830	+63	+8.21

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$10,972,721	$11,258,779	+$286,058	+2.61

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$15,174,427	$16,925,172	+$1,750,745	+11.54
Cloth, cotton	968,922	1,034,462	+65,540	+6.76
Cloth, woollen	1,837,070	1,778,380	—58,690	—3.19
Cloth, worsted	143,790	110,180	—33,610	—23.37
Flannel,	78,616	83,318	+4,702	+5.98
Linen,	67,600	81,228	+13,628	+20.16
Silk,	122,858	115,981	—6,877	—5.60

CLOTHING—1891, 1892—Continued.

STOCK USED. AGGREGATE VALUES—Concluded.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Skins, seal	$77,850	$74,670	—$3,180	—4.08
Thread, rubber	123,225	107,389	—15,836	—12.85
Wool (not specified),	78,193	96,340	+18,147	+23.21
Yarn, cotton	147,368	145,052	—2,316	—1.57
Not classified in detail,	11,528,935	13,298,172	+1,769,237	+15.35

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Cloth, cotton	100 yards	127,322	139,500	+12,178	+9.56
Cloth, woollen	100 yards	14,210	14,530	+320	+2.25
Cloth, worsted	yards	60,570	52,140	—8,430	—13.92
Flannel,	100 yards	3,749	2,888	—861	—22.97
Linen,	100 yards	2,198	2,660	+462	+21.02
Silk,	100 yards	1,003	896	—107	—10.67
Silk,	pounds	6,548	6,456	—92	—1.41
Skins, seal	. .	2,111	1,880	—231	—10.94
Thread, rubber	100 pounds	910	867	—43	—4.73
Wool (not specified),	100 pounds	3,132	3,667	+535	+17.08
Yarn, cotton	100 pounds	6,122	6,578	+456	+7.45

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Cloth, cotton	100 yards	$7.61	$7.42	—$0.19	—2.50
Cloth, woollen	100 yards	129.28	122.39	—6.89	—5.33
Cloth, worsted	yards	2.37	2.11	—0.26	—10.97
Flannel,	100 yards	20.97	28.85	+7.88	+37.58
Linen,	100 yards	30.76	30.54	—0.22	—0.72
Silk,	100 yards	88.43	94.48	+6.05	+6.84
Silk,	pounds	5.22	4.85	—0.37	—7.09
Skins, seal	. .	36.88	39.72	+2.84	+7.70
Thread, rubber	100 pounds	135.41	123.86	—11.55	—8.53
Wool (not specified),	100 pounds	24.97	26.27	+1.30	+5.21
Yarn, cotton	100 pounds	24.07	22.05	—2.02	—8.39

CLOTHING — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$27,144,368	$28,602,244	+$1,457,876	+5.37
Coats,	904,326	1,028,418	+124,092	+13.72
Hats:				
Felt,	210,540	219,000	+8,460	+4.02
Fur,	585,829	809,585	+223,756	+38.19
Silk,	40,840	33,552	—7,288	—17.85
Wool,	259,246	374,387	+115,141	+44.41
Neckties,	409,305	442,744	+33,439	+8.17
Overcoats,	429,915	464,723	+34,808	+8.10
Pantaloons,	1,342,769	1,440,304	+97,535	+7.26
Sacques, sealskin	70,000	78,750	+8,750	+12.50
Shirts, cotton	1,222,641	1,238,899	+16,258	+1.33
Shirts (not specified),	185,355	187,969	+2,614	+1.41
Suspenders,	980,382	902,077	—78,305	—7.99
Ulsters,	57,000	70,500	+13,500	+23.68
Vests,	187,648	226,903	+39,255	+20.92
Wrappers,	76,920	81,500	+4,580	+5.95
Not classified in detail,	20,181,652	21,002,933	+821,281	+4.07

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Coats,	. .	165,856	183,209	+17,353	+10.46
Hats:					
Felt,	dozen	7,975	8,500	+525	+6.58
Fur,	dozen	62,836	76,798	+13,962	+22.22
Silk,	dozen	693	561½	—131½	—19.00
Wool,	dozen	45,041	69,884	+24,843	+55.16
Neckties,	dozen	118,529	142,053	+23,524	+19.85
Overcoats,	. .	34,543	37,059	+2,516	+7.28
Pantaloons,	pairs	484,347	510,037	+25,690	+5.30
Sacques, sealskin	. .	350	375	+25	+7.14
Shirts, cotton	dozen	272,438	257,764	—14,674	—5.39
Shirts (not specified),	dozen	32,696½	33,538	+841½	+2.57
Suspenders,	doz. pairs	490,542	457,512½	—33,029½	—6.73
Ulsters,	. .	6,000	7,500	+1,500	+25.00
Vests,	. .	129,829	181,817	+51,988	+40.04
Wrappers,	dozen	6,528	7,134	+606	+9.28

CLOTHING — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Coats,	. .	$5.45	$5.61	+$0.16	+2.94
Hats:					
Felt,	dozen	26.40	25.76	—0.64	—2.42
Fur,	dozen	9.32	10.54	+1.22	+13.09
Silk,	dozen	58.93	59.77	+0.84	+1.43
Wool,	dozen	5.76	5.36	—0.40	—6.94
Neckties,	dozen	3.45	3.12	—0.33	—9.57
Overcoats,	. .	12.45	12.54	+0.09	+0.72
Pantaloons,	pairs	2.77	2.82	+0.05	+1.81
Sacques, sealskin	. .	200.00	210.00	+10.00	+5.00
Shirts, cotton	dozen	4.49	4.81	+0.32	+7.13
Shirts (not specified),	dozen	5.67	5.60	—0.07	—1.23
Suspenders,	doz. pairs	2.00	1.97	—0.03	—1.50
Ulsters,	. .	9.50	9.40	—0.10	—1.05
Vests,	. .	1.45	1.25	—0.20	—13.79
Wrappers,	dozen	11.78	11.42	—0.36	—3.06

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	8,760	9,811	+1,051	+12.00
Smallest number,	7,111	8,078	+967	+13.60
Greatest number,	10,117	11,394	+1,277	+12.62
Excess of greatest over smallest number,	3,006	3,316	+310	+10.31
Averages.				
Average number employed in each establishment,	63	70	+7	+11.11
Smallest number,	51	58	+7	+13.73
Greatest number,	72	81	+9	+12.50
Excess of greatest over smallest number,	21	23	+2	+9.52

CLOTHING — 1891, 1892 — Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	2,473	5,891	8,364	3,089	6,380	9,469
February,	2,538	6,005	8,543	3,017	6,452	9,469
March,	2,633	6,282	8,915	3,067	6,671	9,738
April,	2,618	6,447	9,065	3,222	7,006	10,228
May,	2,634	6,448	9,082	2,903	7,238	10,141
June,	2,584	6,298	8,882	3,099	6,788	9,887
July,	2,471	5,723	8,194	3,103	6,366	9,469
August,	2,456	5,435	7,891	3,011	6,022	9,033
September,	2,661	6,152	8,833	3,174	6,677	9,851
October,	2,717	6,504	9,221	3,361	7,145	10,506
November,	2,698	6,407	9,105	3,227	6,851	10,078
December,	2,638	6,227	8,865	3,215	6,566	9,781
During the entire year,*	587	1,372	1,959	732	1,479	2,211

* 32 establishments in 1891; 38 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$3,508,625	$3,948,154	+$439,529	+12.53
Average yearly earnings,	400.53	402.42	+1.89	+0.47

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	134	1,396	1,530	136	1,506	1,642
$5 but under $6,	90	1,166	1,256	96	1,083	1,179
$6 but under $7,	173	1,260	1,433	157	1,328	1,485
$7 but under $8,	125	1,283	1,408	158	984	1,142
$8 but under $9,	157	809	966	191	831	1,022
$9 but under $10,	249	454	703	270	539	809
$10 but under $12,	390	294	684	357	409	766
$12 but under $15,	556	163	719	543	194	737
$15 but under $20,	625	51	676	606	47	653
$20 and over,	403	13	416	481	9	490
Totals,	2,902	6,889	9,791	2,995	6,930	9,925

CLOTHING — 1891, 1892 — Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments 1891	Establishments 1892	Proportion of Business Done.	Establishments 1891	Establishments 1892	Proportion of Business Done.	Establishments 1891	Establishments 1892
10 per cent,	2	1	55 per cent,	-	2	85 per cent,	4	2
13 per cent,	1	-	60 per cent,	10	6	87 per cent,	-	1
15 per cent,	1	-	62 per cent,	1	2	88 per cent,	2	3
20 per cent,	1	2	65 per cent,	1	1	90 per cent,	10	14
24 per cent,	-	1	66 per cent,	-	3	92 per cent,	1	-
25 per cent,	6	5	67 per cent,	3	2	93 per cent,	1	-
30 per cent,	1	1	68 per cent,	2	-	94 per cent,	-	1
33 per cent,	3	2	70 per cent,	10	3	95 per cent,	1	5
38 per cent,	1	1	74 per cent,	1	1	96 per cent,	1	-
40 per cent,	1	1	75 per cent,	27	25	98 per cent,	1	-
45 per cent,	1	-	78 per cent,	-	1	100 per cent,	18	22
46 per cent,	-	2	80 per cent,	11	7			
47 per cent,	1	-	81 per cent,	-	1	Totals,	140	140
48 per cent,	1	-	82 per cent,	1	-			
50 per cent,	14	21	84 per cent,	-	1			

DAYS IN OPERATION.

Days in Operation.	1891 Establishments	1891 Persons Employed	1892 Establishments	1892 Persons Employed	Days in Operation.	1891 Establishments	1891 Persons Employed	1892 Establishments	1892 Persons Employed
80 days,	-	-	1	2	276 days,	1	42	1	38
90 days,	-	-	1	1	278 days,	1	9	-	-
104 days,	1	5	1	5	279 days,	1	7	-	-
120 days,	1	4	-	-	280 days,	6	172	6	144
125 days,	1	1	-	-	281 days,	-	-	2	202
150 days,	-	-	1	5	282 days,	-	-	1	127
153 days,	2	10	1	7	284 days,	1	62	1	43
156 days,	1	2	1	2	286 days,	-	-	1	54
175 days,	-	-	1	18	287 days,	1	106	1	22
190 days,	1	17	-	-	288 days,	5	465	2	469
193 days,	-	-	1	20	290 days,	1	55	2	599
200 days,	1	11	-	-	291 days,	-	-	1	164
205 days,	-	-	1	12	292 days,	-	-	1	22
227 days,	1	22	-	-	294 days,	1	120	-	-
240 days,	1	16	-	-	295 days,	3	286	2	315
246 days,	-	-	1	8	296 days,	1	60	1	56
249 days,	1	1	-	-	298 days,	2	70	-	-
250 days,	4	193	2	109	300 days,	23	2,150	19	1,166
254 days,	1	83	-	-	302 days,	-	-	3	624
256 days,	1	24	-	-	303 days,	2	152	1	42
258 days,	1	58	1	63	304 days,	3	794	3	321
260 days,	2	178	2	68	305 days,	-	-	3	285
265 days,	2	194	1	173	306 days,	65	3,328	70	4,460
270 days,	-	-	2	205					
275 days,	1	58	1	10	Totals,	140	8,760	140	9,811

COOKING, LIGHTING, AND HEATING APPARATUS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	38	38	=	=
Number of private firms,	19	21	+2	+10.53
Number of partners,	36	36	=	=
Males,	34	34	=	=
Females,	1	1	=	=
Special,	1	1	=	=
Number of corporations,	19	17	—2	—10.53
Number of stockholders,	298	288	—10	—3.36
Males,	226	213	—13	—5.75
Females,	62	67	+5	+8.06
Banks, trustees, etc.,	10	8	—2	—20.00
Aggregates: partners and stockholders,	334	324	—10	—2.99

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$2,934,717	$2,916,627	—$18,090	—0.62

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$1,155,349	$1,232,255	+$76,906	+6.66
Castings, iron	18,945	19,532	+587	+3.10
Iron, pig	377,619	352,577	—25,042	—6.63
Iron (not specified),	86,384	88,149	+1,765	+2.04
Tin-plate,	16,466	16,002	—464	—2.82
Not classified in detail,	655,935	755,995	+100,060	+15.25

COOKING, LIGHTING, AND HEATING APPARATUS — 1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Castings, iron	100 pounds	5,245	5,323	+78	+1.49
Iron pig,	tons	21,011¾	21,246¼	+234½	+1.12
Iron (not specified),	tons	3,603	4,074¼	+471¼	+13.08
Tin-plate,	boxes	1,922	1,841	—81	—4.21

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Castings, iron	100 pounds	$3.61	$3.67	+$0.06	+1.66
Iron, pig	tons	17.97	16.59	—1.38	—7.68
Iron (not specified),	tons	23.98	21.64	—2.34	—9.76
Tin-plate,	boxes	8.57	8.69	+0.12	+1.40

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$3,660,005	$3,731,195	+$71,190	+1.95
Castings, stove	285,830	244,961	—40,869	—14.30
Furnaces,	209,281	254,438	+45,157	+21.58
Ranges,	529,232	530,359	+1,127	+0.21
Sinks, iron	15,840	11,740	—4,100	—25.88
Stoves, parlor	144,880	147,237	+2,357	+1.63
Not classified in detail,	2,474,942	2,542,460	+67,518	+2.73

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Castings, stove	100 pounds	98,274	81,540	—16,734	—17.03
Furnaces,	. .	2,913	3,105	+187	+6.41
Ranges,	. .	31,160	30,579	—581	—1.86
Sinks, iron	. .	12,800	9,564	—3,236	—25.28
Stoves, parlor	. .	12,289	12,884	+595	+4.84

COOKING, LIGHTING, AND HEATING APPARATUS—1891, 1892 —Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Castings, stove	100 pounds	$2.91	$3.00	+$0.09	+3.09
Furnaces,	"	71.72	81.94	+10.22	+14.25
Ranges,	"	16.98	17.34	+0.36	+2.12
Sinks, iron	"	1.24	1.23	—0.01	—0.81
Stoves, parlor	"	11.79	11.43	—0.36	—3.05

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	2,352	2,437	+85	+3.61
Smallest number,	1,806	1,936	+130	+7.20
Greatest number,	2,684	2,676	—8	—0.30
Excess of greatest over smallest number,	878	740	—138	—15.72
Averages.				
Average number employed in each establishment,	62	64	+2	+3.23
Smallest number,	48	50	+2	+4.17
Greatest number,	71	70	—1	—1.41
Excess of greatest over smallest number,	23	20	—3	—13.04

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	1,878	13	1,891	1,989	14	2,003
February,	2,113	15	2,128	2,281	15	2,296
March,	2,251	14	2,265	2,381	16	2,397
April,	2,310	15	2,325	2,415	15	2,430
May,	2,332	16	2,348	2,461	14	2,475
June,	2,326	16	2,342	2,464	17	2,481
July,	2,264	15	2,279	2,317	17	2,334
August,	2,470	16	2,486	2,517	20	2,537
September,	2,546	20	2,566	2,603	23	2,626
October,	2,552	23	2,575	2,615	24	2,639
November,	2,533	20	2,553	2,538	24	2,562
December,	2,395	20	2,415	2,433	22	2,455
During the entire year,*	272	–	272	380	–	380

* 4 establishments in 1891; 6 establishments in 1892.

COOKING, LIGHTING, AND HEATING APPARATUS—1891, 1892 —Continued.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages, ...	$1,469,247	$1,515,402	+$46,155	+3.14
Average yearly earnings, ...	624.68	621.83	—2.85	—0.46

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5, ...	83	5	88	63	2	65
$5 but under $6, ...	46	3	49	29	2	31
$6 but under $7, ...	92	9	101	66	9	75
$7 but under $8, ...	121	3	124	117	6	123
$8 but under $9, ...	129	1	130	94	2	96
$9 but under $10, ...	384	2	386	419	2	421
$10 but under $12, ...	321	1	322	339	-	339
$12 but under $15, ...	544	-	544	490	1	491
$15 but under $20, ...	534	1	535	551	-	551
$20 and over, ...	326	-	326	423	-	423
Totals, ...	2,580	25	2,605	2,591	24	2,615

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
33 per cent, .	-	2	65 per cent, .	1	-	82 per cent, .	1	-
40 per cent, .	2	1	67 per cent, .	-	1	85 per cent, .	3	2
45 per cent, .	2	-	70 per cent, .	2	2	90 per cent, .	2	4
50 per cent, .	7	6	74 per cent, .	-	1	95 per cent, .	1	1
59 per cent, .	1	-	75 per cent, .	6	7	100 per cent, .	5	6
60 per cent, .	3	1	80 per cent, .	1	4			
63 per cent, .	1	-				Totals, .	38	38

COOKING, LIGHTING, AND HEATING APPARATUS—1891, 1892 —Concluded.

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
100 days, .	-	-	1	1	268 days, .	-	-	1	202
140 days, .	1	18	-	-	270 days, .	-	-	1	50
186 days, .	1	24	-	-	272 days, .	1	255	1	52
200 days, .	1	2	-	-	275 days, .	1	99	1	245
202 days, .	1	26	-	-	276 days, .	-	-	1	46
225 days, .	-	-	1	28	279 days, .	-	-	1	71
226 days, .	1	88	-	-	280 days, .	2	310	-	-
235 days, .	1	16	-	-	281 days, .	1	29	-	-
236 days, .	-	-	1	104	282 days, .	-	-	1	30
237 days, .	1	46	-	-	285 days, .	2	170	-	-
245 days, .	-	-	2	44	287 days, .	-	-	1	127
247 days, .	1	95	-	-	290 days, .	1	233	2	197
248 days, .	-	-	1	29	297 days, .	-	-	1	233
249 days, .	1	38	-	-	300 days, .	3	304	5	332
250 days, .	1	31	-	-	301 days, .	-	-	1	14
252 days, .	-	-	1	101	303 days, .	1	15	-	-
255 days, .	-	-	1	34	305 days, .	1	6	2	9
256 days, .	-	-	1	95	306 days, .	11	385	9	383
257 days, .	1	34	-	-	307 days, .	-	-	1	9
260 days, .	1	46	-	-	308 days, .	1	17	-	-
263 days, .	1	65	-	-	Totals, .	38	2,352	38	2,437

CORDAGE AND TWINE. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	30	30	=	=
Number of private firms,	15	15	=	=
Number of partners,	23	22	—1	—4.35
Males,	19	19	=	=
Females,	1	1	=	=
Special,	3	2	—1	—33.33
Number of corporations,	15	15	=	=
Number of stockholders,	500	552	+52	+10.40
Males,	356	465	+109	+30.62
Females,	128	78	—50	—39.06
Banks, trustees, etc,	16	9	—7	—43.75
Aggregates: partners and stockholders,	523	574	+51	+9.75

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$6,558,865	$5,579,269	—$979,596	—14.94

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$7,171,427	$7,488,373	+$316,946	+4.42
Hemp, manila	1,666,328	1,759,665	+93,337	+5.60
Hemp, New Zealand	693,160	590,846	—102,314	—14.76
Hemp, Sisal	793,635	1,419,756	+626,121	+78.89
Yarn, cotton	235,533	214,838	—20,695	—8.79
Not classified in detail,	3,782,771	3,503,268	—279,503	—7.39

CORDAGE AND TWINE—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Hemp, manila	100 pounds	191,943	248,240	+56,297	+29.33
Hemp, New Zealand	100 pounds	130,941	119,489	−11,452	−8.75
Hemp, Sisal	100 pounds	164,776	284,173	+119,397	+72.46
Yarn, cotton	100 pounds	14,371	14,960	+589	+4.10

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Hemp, manila	100 pounds	$8.68	$7.09	−$1.59	−18.32
Hemp, New Zealand	100 pounds	5.29	4.94	−0.35	−6.62
Hemp, Sisal	100 pounds	4.82	5.00	+0.18	+3.73
Yarn, cotton	100 pounds	16.39	14.36	−2.03	−12.39

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$9,304,110	$10,064,154	+$760,044	+8.17
Cord, cotton	289,336	278,890	−10,446	−3.61
Cord, sash (cotton),	262,799	237,173	−25,626	−9.75
Cordage (not specified),	1,552,457	1,577,862	+25,405	+1.64
Netting,	427,250	463,070	+35,820	+8.38
Rope, hempen	1,524,476	1,394,329	−130,147	−8.54
Twine (not specified),	2,658,259	3,716,004	+1,057,745	+39.79
Not classified in detail,	2,589,533	2,396,826	−192,707	−7.44

CORDAGE AND TWINE—1891, 1892—Continued.

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Cord, cotton	100 pounds	13,894	14,393	+499	+3.59
Cord, sash (cotton), . . .	100 pounds	11,391	10,700	−691	−6.07
Cordage (not specified), . .	100 pounds	155,642	197,233	+41,591	+26.72
Netting, ...	100 pounds	9,050	9,320	+270	+2.98
Rope, hempen	100 pounds	179,688	154,275	−25,413	−14.14
Twine (not specified), . .	100 pounds	334,132	486,539	+152,407	+45.61

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Cord, cotton	100 pounds	$20.84	$19.38	−$1.46	−7.01
Cord, sash (cotton), . . .	100 pounds	23.07	22.17	−0.90	−3.90
Cordage (not specified), . .	100 pounds	9.97	8.00	−1.97	−19.76
Netting, ...	100 pounds	47.21	49.69	+2.48	+5.25
Rope, hempen	100 pounds	8.48	9.04	+0.56	+6.60
Twine (not specified), . .	100 pounds	7.96	7.64	−0.32	−4.02

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number, ...	3,458	3,898	+440	+12.72
Smallest number, ...	2,850	2,785	−65	−2.28
Greatest number, ...	4,151	4,752	+601	+14.48
Excess of greatest over smallest number, .	1,301	1,967	+666	+51.19
Averages.				
Average number employed in each establishment, ...	115	130	+15	+13.04
Smallest number, ...	95	93	−2	−2.11
Greatest number, ...	138	158	+20	+14.49
Excess of greatest over smallest number, .	43	65	+22	+51.16

CORDAGE AND TWINE—1891, 1892—Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	1,957	1,570	3,527	2,170	1,657	3,827
February,	1,969	1,578	3,547	2,374	1,677	4,051
March,	1,958	1,607	3,565	2,411	1,704	4,115
April,	1,963	1,578	3,541	2,507	1,726	4,233
May,	2,091	1,620	3,711	2,519	1,718	4,237
June,	2,141	1,579	3,720	2,202	1,561	3,763
July,	2,001	1,444	3,445	2,244	1,421	3,665
August,	1,735	1,399	3,134	2,204	1,406	3,610
September,	1,672	1,382	3,054	2,100	1,413	3,513
October,	1,793	1,350	3,143	2,139	1,298	3,437
November,	1,967	1,418	3,385	2,429	1,538	3,967
December,	2,166	1,527	3,693	2,538	1,598	4,136
During the entire year,*	331	66	397	25	46	71

* 5 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$1,163,753	$1,365,793	+$202,040	+17.36
Average yearly earnings,	336.54	350.38	+13.84	+4.11

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	191	710	901	222	744	966
$5 but under $6,	208	666	874	240	566	806
$6 but under $7,	289	289	578	379	308	687
$7 but under $8,	224	84	308	203	104	307
$8 but under $9,	468	27	495	684	58	742
$9 but under $10,	508	12	520	675	12	687
$10 but under $12,	163	–	163	181	–	181
$12 but under $15,	153	–	153	165	–	165
$15 but under $20,	131	–	131	137	–	137
$20 and over,	29	–	29	34	–	34
Totals,	2,364	1,788	4,152	2,920	1,792	4,712

CORDAGE AND TWINE—1891, 1892—Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
15 per cent, .	-	1	67 per cent, .	-	2	92 per cent, .	-	1
25 per cent, .	1	1	70 per cent, .	2	1	95 per cent, .	-	2
33 per cent, .	1	-	75 per cent, .	5	3	98 per cent, .	-	1
50 per cent, .	3	6	80 per cent, .	1	-	100 per cent, .	6	5
60 per cent, .	3	1	85 per cent, .	-	1	Totals, .	30	30
62 per cent, .	1	-	90 per cent, .	4	3			
65 per cent, .	1	2	91 per cent, .	2	-			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
100 days, .	1	1	1	1	290 days, .	-	-	1	1
180 days, .	-	-	1	2	295 days, .	-	-	1	1
182 days, .	1	1	-	-	297 days, .	1	400	1	740
233 days, .	-	-	1	225	300 days, .	7	190	6	92
234 days, .	-	-	1	278	301 days, .	-	-	1	221
243 days, .	1	125	-	-	302 days, .	1	58	1	61
248 days, .	-	-	1	149	303 days, .	-	-	1	105
255 days, .	-	-	1	1	304 days, .	2	651	-	-
269 days, .	-	-	1	181	305 days, .	-	-	1	499
270 days, .	-	-	1	31	306 days, .	9	869	7	1,137
275 days, .	1	1	-	-	308 days, .	-	-	1	74
280 days, .	1	126	-	-	309 days, .	1	73	-	-
285 days, .	1	507	-	-	312 days, .	1	15	-	-
286 days, .	1	332	-	-					
287 days, .	1	109	-	-	Totals, .	30	3,458	30	3,898
289 days, .	-	-	1	99					

CORKS, BUNGS, AND TAPS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments,	3	3	=	=
Number of private firms,	3	3	=	=
Number of partners,	4	4	=	=
Males,	4	4	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$19,000	$28,500	+$9,500	+50.00

STOCK USED. AGGREGATE VALUE.

Stock Used.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$12,125	$15,449	+$3,324	+27.41

GOODS MADE. AGGREGATE VALUE.

Goods Made.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$39,150	$41,667	+$2,517	+6.43

CORKS, BUNGS, AND TAPS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	33	37	+4	+12.12
Smallest number,	27	34	+7	+25.93
Greatest number,	40	39	−1	−2.50
Excess of greatest over smallest number,	13	5	−8	−61.54
Averages.				
Average number employed in each establishment,	11	12	+1	+9.09
Smallest number,	9	11	+2	+22.22
Greatest number,	13	13	*=	*=
Excess of greatest over smallest number,	4	2	−2	−50.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	27	6	33	30	6	36
February,	27	6	33	30	6	36
March,	29	5	34	31	5	36
April,	29	4	33	32	5	37
May,	31	5	36	33	4	37
June,	31	5	36	34	5	39
July,	34	5	39	33	5	38
August,	30	5	35	33	4	37
September,	28	4	32	33	4	37
October,	27	4	31	32	4	36
November,	24	4	28	30	4	34
December,	24	6	30	30	6	36
During the entire year,*	-	-	-	15	-	15

* One establishment in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$10,055	$11,066	+$1,011	+10.05
Average yearly earnings,	304.70	299.08	−5.62	−1.84

CORKS, BUNGS, AND TAPS — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	9	6	15	5	6	11
$5 but under $6,	7	-	7	2	-	2
$6 but under $7,	4	-	4	3	-	3
$7 but under $8,	1	-	1	2	-	2
$8 but under $9,	2	-	2	7	-	7
$9 but under $10,	3	-	3	6	-	6
$10 but under $12,	4	-	4	6	-	6
$12 but under $15,	2	-	2	1	-	1
$15 but under $20,	2	-	2	2	-	2
$20 and over,	-	-	-	-	-	-
Totals,	34	6	40	34	6	40

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
40 per cent,	1	1	66 per cent,	-	1	75 per cent,	2	-
65 per cent,	-	1				Totals,	3	3

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
275 days,	1	10	-	-	305 days,	1	13	-	-
280 days,	-	-	1	10	306 days,	1	10	1	15
304 days,	-	-	1	12	Totals,	3	33	3	37

COTTON GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	158	158	=	=
Number of private firms,	42	38	−4	−9.52
Number of partners,	86	79	−7	−8.14
Males,	70	71	+1	+1.43
Females,	10	7	−3	−30.00
Special,	5	-	−5	−100.00
Estates,	1	1	=	=
Number of corporations,	116	120	+4	+3.45
Number of stockholders,	18,765	19,202	+437	+2.33
Males,	9,842	9,754	−88	−0.89
Females,	6,510	7,069	+559	+8.59
Banks, trustees, etc.,	2,413	2,379	−34	−1.41
Aggregates: partners and stockholders,	18,851	19,281	+430	+2.28

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$117,585,568	$120,623,314	+$3,037,746	+2.58

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$52,058,721	$47,940,696	−$4,118,025	−7.91
Cotton, raw	36,944,115	31,903,690	−5,040,425	−13.64
Cotton, raw (Egyptian),	256,703	457,380	+200,677	+78.17
Cotton, raw (Sea Island),	334,955	329,247	−5,708	−1.70
Waste, cotton	1,435,249	1,390,919	−44,330	−3.09
Yarn, cotton	1,569,154	1,678,633	+109,479	+6.98
Not classified in detail,	11,513,545	12,180,827	+662,282	+5.75

COTTON GOODS—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Cotton, raw	100 pounds	3,744,060	3,723,375	—20,685	—0.55
Cotton, raw (Egyptian),	100 pounds	18,134	38,954	+20,820	+114.81
Cotton, raw (Sea Island),	100 pounds	14,709	17,251	+2,542	+17.28
Waste, cotton	100 pounds	342,062	326,036	—16,026	—4.69
Yarn, cotton	100 pounds	58,869	64,660	+5,791	+9.84

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Cotton, raw	100 pounds	$9.87	$8.57	—$1.30	—13.17
Cotton, raw (Egyptian),	100 pounds	14.16	11.74	—2.42	—17.09
Cotton, raw (Sea Island),	100 pounds	22.77	19.09	—3.68	—16.16
Waste, cotton	100 pounds	4.20	4.27	+0.07	+1.67
Yarn, cotton	100 pounds	26.66	25.96	—0.70	—2.63

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$89,558,854	$91,967,815	+$2,408,961	+2.69
Batting,	210,592	169,666	—40,926	—19.43
Cloth:				
Awning,	195,902	307,028	+111,126	+56.73
Cotton,	19,980,019	19,498,851	—481,168	—2.41
Print,	6,965,999	7,102,972	+136,973	+1.97
Printed,	2,296,702	2,465,106	+168,404	+7.33
Cottonades,	469,508	374,290	—95,218	—20.28
Denim,	1,876,969	1,908,827	+31,858	+1.70
Dress goods,	3,233,612	3,112,640	—120,972	—3.74
Drill,	875,571	771,632	—103,939	—11.87
Duck,	599,242	643,906	+44,664	+7.45
Flannel,	3,141,064	3,032,496	—108,568	—3.46
Gingham,	4,642,199	4,919,019	+276,820	+5.96
Quilts,	450,085	415,489	—34,596	—7.69
Sheeting,	2,298,656	2,357,025	+58,369	+2.54
Shirting,	1,290,396	1,568,230	+277,834	+21.53

COTTON GOODS — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES — Concluded.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Thread,	$1,960,261	$2,127,839	+$147,578	+7.45
Ticking,	610,510	715,690	+105,180	+17.23
Twill,	334,307	341,751	+7,444	+2.23
Twine,	226,036	189,972	—36,064	—15.95
Warp,	979,110	953,153	—25,957	—2.65
Waste,	1,027,371	995,578	—31,793	—3.09
Yarn,	8,630,861	8,993,205	+362,344	+4.20
Not classified in detail,	27,243,882	29,003,450	+1,759,568	+6.46

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Batting,	100 pounds	24,274	25,918	+1,644	+6.77
Cloth:					
Awning,	100 pounds	7,523	11,886	+4,363	+58.00
Cotton,	100 pounds	828,949	818,058	—10,891	—1.31
Print,	100 yards	618,188	650,425	+32,237	+5.21
Print,	100 pounds	238,769	244,922	+6,153	+2.58
Printed,	100 yards	507,479	548,479	+41,000	+8.08
Cottonades,	100 pounds	17,152	13,633	—3,519	—20.52
Denim,	100 pounds	83,608	87,097	+3,489	+4.17
Dress goods,	100 yards	174,748	199,883	+25,135	+14.38
Dress goods,	100 pounds	40,010	30,936	—9,074	—22.68
Drill,	100 yards	71,392	71,814	+422	+0.59
Drill,	100 pounds	23,384	20,338	—3,046	—13.03
Duck,	100 pounds	31,647	35,345	+3,698	+11.69
Flannel,	100 pounds	140,023	144,945	+4,922	+3.52
Gingham,	100 yards	323,587	357,340	+33,753	+10.43
Gingham,	100 pounds	43,596	48,648	+5,052	+11.59
Quilts,	hundred	5,655	5,457	—198	—3.50
Sheeting,	100 yards	181,982	175,294	—6,688	—3.68
Sheeting,	100 pounds	52,234	60,525	+8,291	+15.87
Shirting,	100 pounds	44,049	54,685	+10,636	+24.15
Thread,	grossspools	667,916½	707,964½	+40,048	+6.00
Ticking,	100 yards	27,667	32,079	+4,412	+15.95
Ticking,	100 pounds	14,083	17,632	+3,549	+25.20
Twill,	100 yards	47,727	50,984	+3,257	+6.82
Twine,	100 pounds	17,142	16,670	—472	—2.75
Warp,	100 yards	93,970	104,161	+10,191	+10.84
Warp,	100 pounds	33,025	35,340	+2,315	+7.01
Waste,	100 pounds	247,522	258,639	+11,117	+4.49
Yarn,	100 pounds	361,661	377,263	+15,602	+4.31

COTTON GOODS — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Batting,	100 pounds	$8.68	$6.55	—$2.13	—24.54
Cloth:					
Awning,	100 pounds	26.04	25.83	—0.21	—0.81
Cotton,	100 pounds	24.10	23.84	—0.26	—1.08
Print,	100 yards	2.91	3.17	+0.26	+8.93
Print,	100 pounds	21.63	20.59	—1.04	—4.81
Printed,	100 yards	4.53	4.49	—0.04	—0.88
Cottonades,	100 pounds	27.37	27.45	+0.08	+0.29
Denim,	100 pounds	22.45	21.92	—0.53	—2.36
Dress goods,	100 yards	7.42	7.04	—0.38	—5.12
Dress goods,	100 pounds	48.42	55.12	+6.70	+13.84
Drill,	100 yards	6.75	6.74	—0.01	—0.15
Drill,	100 pounds	16.83	14.14	—2.69	—15.98
Duck,	100 pounds	18.94	18.22	—0.72	—3.80
Flannel,	100 pounds	22.43	20.92	—1.51	—6.73
Gingham,	100 yards	8.41	8.19	—0.22	—2.62
Gingham,	100 pounds	44.04	40.96	—3.08	—6.99
Quilts,	hundred	79.59	76.14	—3.45	—4.33
Sheeting,	100 yards	6.30	6.16	—0.14	—2.22
Sheeting,	100 pounds	22.05	21.09	—0.96	—4.35
Shirting,	100 pounds	29.29	28.68	—0.61	—2.08
Thread,	gross spools	2.96	3.01	+0.05	+1.69
Ticking,	100 yards	8.04	7.19	—0.85	—10.57
Ticking,	100 pounds	27.55	27.51	—0.04	—0.15
Twill,	100 yards	7.00	6.70	—0.30	—4.29
Twine,	100 pounds	13.19	11.40	—1.79	—13.57
Warp,	100 yards	1.86	1.75	—0.11	—5.91
Warp,	100 pounds	24.35	21.80	—2.55	—10.47
Waste,	100 pounds	4.15	3.85	—0.30	—7.23
Yarn,	100 pounds	23.86	23.84	—0.02	—0.08

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	71,640	74,110	+2,470	+3.45
Smallest number,	68,674	71,144	+2,470	+3.60
Greatest number,	74,735	78,864	+4,129	+5.52
Excess of greatest over smallest number,	6,061	7,720	+1,659	+27.37
Averages.				
Average number employed in each establishment,	453	469	+16	+3.53
Smallest number,	435	450	+15	+3.45
Greatest number,	473	499	+26	+5.50
Excess of greatest over smallest number,	38	49	+11	+28.95

COTTON GOODS — 1891, 1892 — Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	34,239	37,647	71,886	35,016	38,290	73,306
February,	34,160	37,683	71,843	35,273	39,049	74,322
March,	34,132	37,683	71,815	35,545	38,919	74,464
April,	33,809	37,822	71,631	35,483	39,153	74,636
May,	33,465	37,830	71,295	35,488	38,998	74,486
June,	33,396	37,806	71,202	35,230	38,765	73,995
July,	33,801	37,481	71,282	35,307	38,375	73,682
August,	33,847	37,180	71,027	35,575	38,081	73,656
September,	33,947	37,350	71,297	35,396	38,368	73,764
October,	34,052	37,810	71,862	35,611	38,342	73,953
November,	34,245	38,012	72,257	35,453	38,836	74,289
December,	34,215	38,075	72,290	35,604	39,108	74,712
During the entire year,*	7,419	7,503	14,922	8,906	8,452	17,358

* 34 establishments in 1891; 37 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$24,657,967	$25,614,246	+$956,279	+3.88
Average yearly earnings,	344.19	345.62	+1.43	+0.42

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	7,055	12,161	19,216	6,626	11,191	17,817
$5 but under $6,	3,481	7,856	11,337	3,616	7,630	11,246
$6 but under $7,	6,042	7,801	13,843	6,190	7,981	14,171
$7 but under $8,	3,958	5,415	9,373	4,353	5,692	10,045
$8 but under $9,	3,599	3,707	7,306	3,479	3,392	6,871
$9 but under $10,	3,854	1,837	5,691	3,930	2,119	6,049
$10 but under $12,	3,737	692	4,429	4,327	1,023	5,350
$12 but under $15,	2,374	49	2,423	2,885	98	2,983
$15 but under $20,	920	1	921	1,009	6	1,015
$20 and over,	533	–	533	541	–	541
Totals,	35,553	39,519	75,072	36,956	39,132	76,088

COTTON GOODS — 1891, 1892 — Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
25 per cent, .	2	-	69 per cent, .	1	-	90 per cent, .	13	11
33 per cent, .	-	1	70 per cent, .	2	1	92 per cent, .	3	4
37 per cent, .	-	1	73 per cent, .	-	1	93 per cent, .	-	4
43 per cent, .	-	1	75 per cent, .	6	6	94 per cent, .	-	1
47 per cent, .	1	-	76 per cent, .	-	1	95 per cent, .	13	11
50 per cent, .	3	1	77 per cent, .	-	1	96 per cent, .	2	3
52 per cent, .	1	-	78 per cent, .	-	1	97 per cent, .	4	4
54 per cent, .	1	-	80 per cent, .	5	3	98 per cent, .	10	3
59 per cent, .	1	-	82 per cent, .	1	1	99 per cent, .	5	2
60 per cent, .	1	2	83 per cent, .	3	-	100 per cent, .	73	33
65 per cent, .	1	-	85 per cent, .	3	1			
66 per cent, .	1	-	88 per cent, .	1	3	Totals, .	158	158
67 per cent, .	-	2	89 per cent, .	1	-			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
91 days, .	-	-	1	3	286 days, .	-	-	1	18
117 days, .	1	3	-	-	287 days, .	-	-	1	41
146 days, .	1	38	-	-	290 days, .	5	817	-	-
154 days, .	-	-	1	51	291 days, .	1	305	1	65
175 days, .	1	71	-	-	292 days, .	2	1,316	2	437
204 days, .	-	-	1	38	293 days, .	1	21	2	1,408
225 days, .	-	-	1	9	294 days, .	1	308	1	76
232 days, .	1	54	-	-	295 days, .	1	233	1	159
243 days, .	1	9	-	-	296 days, .	1	75	1	159
245 days, .	1	109	-	-	298 days, .	1	332	-	-
248 days, .	1	344	-	-	299 days, .	5	1,408	2	1,944
249 days, .	-	-	1	269	300 days, .	12	2,789	13	3,335
250 days, .	-	-	1	29	301 days, .	4	1,358	3	672
254 days, .	-	-	1	73	302 days, .	3	392	6	2,126
255 days, .	1	73	-	-	303 days, .	6	3,876	4	1,469
263 days, .	2	48	-	-	304 days, .	14	5,497	10	3,596
264 days, .	1	14	-	-	305 days, .	14	7,429	15	6,575
266 days, .	-	-	1	22	306 days, .	46	23,186	50	26,708
272 days, .	-	-	1	60	307 days, .	8	8,657	8	8,983
273 days, .	2	100	-	-	308 days, .	5	3,408	11	9,098
274 days, .	-	-	2	125	309 days, .	3	2,244	2	1,990
276 days, .	1	57	-	-	310 days, .	1	43	2	840
278 days, .	1	160	2	37	311 days, .	3	857	-	-
280 days, .	1	41	-	-	312 days, .	2	3,620	6	3,326
282 days, .	-	-	2	127	313 days, .	1	1,654	-	-
283 days, .	1	681	1	242					
285 days, .	1	13	-	-	Totals, .	158	71,640	158	74,110

COTTON, WOOLLEN, AND OTHER TEXTILES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments,	3	3	=	=
Number of private firms,	1	1	=	=
Number of partners,	3	3	=	=
Males,	3	3	=	=
Number of corporations,	2	2	=	=
Number of stockholders,	452	457	+5	+1.11
Males,	197	192	—5	—2.54
Females,	138	150	+12	+8.70
Banks, trustees, etc.,	117	115	—2	—1.71
Aggregates: partners and stockholders,	455	460	+5	+1.10

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$3,535,953	$3,564,471	+$28,518	+0.81

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,411,371	$1,780,097	—$631,274	—26.18

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$3,673,724	$3,352,505	—$321,219	—8.74

COTTON, WOOLLEN, AND OTHER TEXTILES — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	2,299	2,270	—29	—1.26
Smallest number,	2,155	2,007	—148	—6.87
Greatest number,	2,412	2,472	+60	+2.49
Excess of greatest over smallest number,	257	465	+208	+80.93
Averages.				
Average number employed in each establishment,	766	757	—9	—1.17
Smallest number,	718	669	—49	—6.82
Greatest number,	804	824	+20	+2.49
Excess of greatest over smallest number,	86	155	+69	+80.23

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	1,049	1,152	2,201	1,121	1,143	2,264
February,	1,083	1,184	2,267	1,144	1,152	2,296
March,	1,110	1,221	2,331	1,094	1,227	2,321
April,	1,105	1,278	2,383	1,134	1,252	2,386
May,	1,122	1,255	2,377	1,017	1,257	2,274
June,	1,124	1,237	2,361	1,070	1,224	2,294
July,	1,150	1,213	2,363	939	1,202	2,141
August,	1,096	1,173	2,269	1,005	1,107	2,112
September,	1,109	1,160	2,269	1,013	1,163	2,176
October,	1,115	1,201	2,316	998	1,218	2,216
November,	1,013	1,209	2, 22	1,160	1,243	2,403
December,	1,036	1,199	2,235	1,157	1,204	2,361

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$897,807	$856,455	—$41,352	—4.61
Average yearly earnings,	390.52	377.29	—13.23	—3.39

COTTON, WOOLLEN, AND OTHER TEXTILES — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	78	129	207	70	185	255
$5 but under $6,	51	301	352	56	373	429
$6 but under $7,	160	356	516	183	391	574
$7 but under $8,	329	207	536	347	207	554
$8 but under $9,	106	202	308	86	99	185
$9 but under $10,	115	81	196	121	38	159
$10 but under $12,	109	6	115	107	5	112
$12 but under $15,	145	1	146	171	1	172
$15 but under $20,	30	-	30	37	2	39
$20 and over,	23	-	23	23	-	23
Totals,	1,146	1,283	2,429	1,201	1,301	2,502

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
15 per cent,	1	1	70 per cent,	1	-	100 per cent,	1	2
						Totals,	3	3

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
300 days,	-	-	1	209	308 days,	-	-	1	54
305 days,	-	-	1	2,007	313 days,	1	2,097	-	-
306 days,	1	168	-	-					
307 days,	1	34	-	-	Totals,	3	2,299	3	2,270

CRAYONS, PENCILS, CRUCIBLES, ETC. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	3	3	=	=
Number of private firms,	1	1	=	=
Number of partners,	2	2	=	=
Males,	2	2	=	=
Number of corporations,	2	2	=	=
Number of stockholders,	54	50	—4	—7.41
Males,	43	37	—6	—13.95
Females,	11	13	+2	+18.18
Aggregates: partners and stockholders,	56	52	—4	—7.14

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$174,275	$60,000	—$114,275	—65.57

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$40,642	$29,639	—$11,003	—27.07

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$129,685	$62,054	—$67,631	—52.15

CRAYONS, PENCILS, CRUCIBLES, ETC.—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	26	21	—5	—19.23
Smallest number,	21	16	—5	—23.81
Greatest number,	29	27	—2	—6.90
Excess of greatest over smallest number,	8	11	+3	+37.50
Averages.				
Average number employed in each establishment,	9	7	—2	—22.22
Smallest number,	7	5	—2	—28.57
Greatest number,	10	9	—1	—10.00
Excess of greatest over smallest number,	3	4	+1	+33.33

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	25	-	25	23	-	23
February,	24	-	24	23	3	26
March,	26	-	26	24	-	24
April,	27	-	27	26	-	26
May,	28	-	28	23	-	23
June,	29	-	29	22	-	22
July,	28	-	28	19	-	19
August,	27	-	27	19	-	19
September,	27	-	27	18	-	18
October,	26	-	26	18	-	18
November,	22	-	22	17	-	17
December,	23	-	23	22	-	22
During the entire year,*	10	-	10	12	-	12

* One establishment in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$14,369	$10,644	—$3,725	—25.92
Average yearly earnings,	552.65	506.86	—45.79	—8.29

CRAYONS, PENCILS, CRUCIBLES, ETC.—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	2	-	2	2	-	2
$5 but under $6,	-	-	-	1	3	4
$6 but under $7,	5	-	5	5	-	5
$7 but under $8,	-	-	-	1	-	1
$8 but under $9,	-	-	-	-	-	-
$9 but under $10,	2	-	2	2	-	2
$10 but under $12,	3	-	3	4	-	4
$12 but under $15,	6	-	6	8	-	8
$15 but under $20,	2	-	2	3	-	3
$20 and over,	-	-	-	1	-	1
Totals,	20	-	20	27	3	30

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	-	1	70 per cent,	-	1	80 per cent,	-	1
65 per cent,	2	-	75 per cent,	1	-	Totals,	3	3

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
260 days,	-	-	1	8	304 days,	2	12	-	-
300 days,	1	14	1	12	Totals,	3	26	3	21
301 days,	-	-	1	1					

DRUGS AND MEDICINES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	22	22	=	=
Number of private firms,	15	15	=	=
Number of partners,	26	26	=	=
Males,	22	22	=	=
Females,	4	4	=	=
Number of corporations,	7	7	=	=
Number of stockholders,	108	122	+14	+12.96
Males,	75	88	+13	+17.33
Females,	29	30	+1	+3.45
Banks, trustees, etc.,	4	4	=	=
Aggregates: partners and stockholders,	134	148	+14	+10.45

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,409,018	$1,335,892	—$73,126	—5.19

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,078,437	$2,120,765	+$42,328	+2.04

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$3,448,177	$3,457,803	+$9,626	+0.28

DRUGS AND MEDICINES—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	476	473	−3	−0.63
Smallest number,	381	389	+8	+2.10
Greatest number,	561	546	−15	−2.67
Excess of greatest over smallest number,	180	157	−23	−12.78
Averages.				
Average number employed in each establishment,	22	22	*=	*=
Smallest number,	17	18	+1	+5.88
Greatest number,	26	25	−1	−3.85
Excess of greatest over smallest number,	9	7	−2	−22.22

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	251	183	434	251	229	480
February,	258	199	457	259	241	500
March,	265	193	458	265	249	514
April,	271	202	473	260	242	502
May,	277	197	474	255	247	502
June,	283	206	489	250	222	472
July,	283	211	494	239	215	454
August,	291	182	473	236	185	421
September,	283	205	488	239	212	451
October,	279	215	494	238	208	446
November,	262	224	486	237	214	451
December,	262	218	480	240	211	451
During the entire year,*	51	17	68	28	18	46

* 7 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$189,388	$196,070	+$6,682	+3.53
Average yearly earnings,	397.87	414.52	+16.65	+4.18

DRUGS AND MEDICINES — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	33	42	75	35	43	78
$5 but under $6,	9	69	78	12	55	67
$6 but under $7,	16	73	89	18	112	130
$7 but under $8,	23	33	56	20	26	46
$8 but under $9,	23	25	48	21	7	28
$9 but under $10,	59	5	64	40	10	50
$10 but under $12,	37	7	44	34	8	42
$12 but under $15,	49	4	53	47	–	47
$15 but under $20,	47	2	49	39	3	42
$20 and over,	8	–	8	10	–	10
Totals,	304	260	564	276	264	540

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
17 per cent,	1	–	50 per cent,	5	7	80 per cent,	1	–
20 per cent,	1	2	55 per cent,	1	–	85 per cent,	–	1
22 per cent,	–	1	62 per cent,	1	1	95 per cent,	1	–
25 per cent,	3	1	67 per cent,	1	1	100 per cent,	3	4
44 per cent,	1	–	75 per cent,	3	4	Totals,	22	22

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
250 days,	1	2	–	–	304 days,	1	26	–	–
265 days,	–	–	1	16	305 days,	1	9	1	10
268 days,	1	35	–	–	306 days,	13	333	15	378
273 days,	–	–	1	33	307 days,	–	–	1	6
275 days,	2	4	–	–	308 days,	–	–	1	20
280 days,	1	16	–	–	313 days,	1	44	–	–
289 days,	–	–	1	2					
300 days,	1	7	1	8	Totals,	22	476	22	473

DYESTUFFS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	6	6	=	=
Number of private firms,	3	3	=	=
Number of partners,	5	5	=	=
Males,	4	4	=	=
Females,	1	1	=	=
Number of corporations,	3	3	=	=
Number of stockholders,	25	25	=	=
Males,	22	22	=	=
Females,	3	3	=	=
Aggregates: partners and stockholders,	30	30	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$618,000	$696,997	+$78,997	+12.78

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$893,069	$805,563	−$87,506	−9.80

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,115,256	$1,012,051	−$103,205	−9.25

DYESTUFFS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	202	186	—16	—7.92
Smallest number,	178	161	—17	—9.55
Greatest number,	218	216	—2	—0.92
Excess of greatest over smallest number,	40	55	+15	+37.50
Averages.				
Average number employed in each establishment,	34	31	—3	—8.82
Smallest number,	30	27	—3	—10.00
Greatest number,	36	36	*=	*=
Excess of greatest over smallest number,	6	9	+3	+50.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	198	3	201	171	1	172
February,	200	3	203	185	1	186
March,	205	3	208	187	1	188
April,	199	3	202	193	1	194
May,	185	3	188	194	1	195
June,	194	2	196	197	1	198
July,	195	2	197	208	-	208
August,	201	2	203	203	-	203
September,	202	2	204	205	-	205
October,	204	2	206	178	-	178
November,	203	2	205	150	-	150
December,	203	2	205	153	-	153

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$108,335	$100,703	—$7,632	—7.04
Average yearly earnings,	536.31	541.41	+5.10	+0.95

DYESTUFFS — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	-	-	-	3	-	3
$5 but under $6,	2	-	2	1	-	1
$6 but under $7,	2	2	4	4	1	5
$7 but under $8,	19	-	19	12	-	12
$8 but under $9,	5	1	6	8	-	8
$9 but under $10,	71	-	71	70	-	70
$10 but under $12,	81	-	81	73	-	73
$12 but under $15,	26	-	26	30	-	30
$15 but under $20,	9	-	9	14	-	14
$20 and over,	1	-	1	2	-	2
Totals,	216	3	219	217	1	218

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	2	4	67 per cent,	1	-	70 per cent,	1	1
66 per cent,	1	-	68 per cent,	1	-	75 per cent,	-	1
						Totals,	6	6

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
230 days,	-	-	1	22	304 days,	1	24	1	18
250 days,	1	102	-	-	305 days,	1	24	1	27
255 days,	-	-	1	99	306 days,	1	29	-	-
275 days,	1	14	1	11	307 days,	1	9	-	-
302 days,	-	-	1	9	Totals,	6	202	6	186

EARTHEN, PLASTER, AND STONE WARE.
1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	6	6	=	=
Number of private firms,	5	5	=	=
Number of partners,	9	9	=	=
Males,	9	9	=	=
Number of corporations,	1	1	=	=
Number of stockholders,	12	14	+2	+16.67
Males,	10	11	+1	+10.00
Females,	2	3	+1	+50.00
Aggregates: partners and stockholders,	21	23	+2	+9.52

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$345,000	$383,000	+$38,000	+11.01

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$99,135	$88,669	—$10,466	—10.56

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$381,572	$336,787	—$44,785	—11.74

EARTHEN, PLASTER, AND STONE WARE — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	315	289	—26	—8.25
Smallest number,	201	196	—5	—2.49
Greatest number,	408	355	—53	—12.99
Excess of greatest over smallest number,	207	159	—48	—23.19
Averages.				
Average number employed in each establishment,	53	48	—5	—9.43
Smallest number,	34	33	—1	—2.94
Greatest number,	68	59	—9	—13.24
Excess of greatest over smallest number,	34	26	—8	—23.53

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	260	30	290	174	24	198
February,	279	37	316	195	27	222
March,	248	36	284	216	27	243
April,	249	40	289	246	25	271
May,	201	39	240	286	26	312
June,	303	42	345	310	33	343
July,	291	41	332	314	34	348
August,	308	48	356	312	33	345
September,	309	45	354	314	35	349
October,	315	46	361	271	37	308
November,	254	42	296	246	33	279
December,	183	23	206	212	32	244
During the entire year,*	61	14	75	83	14	97

* One establishment in 1891; 2 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$160,925	$173,651	+$12,726	+7.91
Average yearly earnings,	510.87	600.87	+90.00	+17.62

EARTHEN, PLASTER, AND STONE WARE—1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	15	40	55	19	30	49
$5 but under $6,	12	3	15	3	3	6
$6 but under $7,	27	2	29	18	2	20
$7 but under $8,	22	-	22	14	1	15
$8 but under $9,	32	-	32	39	-	39
$9 but under $10,	40	1	41	50	1	51
$10 but under $12,	70	-	70	66	-	66
$12 but under $15,	61	-	61	41	-	41
$15 but under $20,	50	-	50	41	-	41
$20 and over,	21	-	21	27	-	27
Totals,	350	46	396	318	37	355

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	-	1	75 per cent,	-	1	100 per cent,	3	2
60 per cent,	-	1	80 per cent,	2	-	Totals,	6	6
62 per cent,	-	1	90 per cent,	1	-			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
217 days,	1	87	-	-	300 days,	-	-	2	91
256 days,	-	-	1	94	305 days,	1	22	-	-
270 days,	1	14	-	-	306 days,	2	99	3	104
280 days,	1	93	-	-	Totals,	6	315	6	289

ELECTRICAL APPARATUS AND APPLIANCES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	17	17	=	=
Number of private firms,	9	9	=	=
Number of partners,	13	13	=	=
Males,	13	13	=	=
Number of corporations,	8	8	=	=
Number of stockholders,	2,491	2,841	+350	+14.05
Males,	1,776	2,055	+279	+15.71
Females,	694	771	+77	+11.10
Banks, trustees, etc.,	21	15	—6	—28.57
Aggregates: partners and stockholders,	2,504	2,854	+350	+13.98

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$10,686,418	$10,827,804	+$141,386	+1.32

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$5,296,647	$3,471,391	—$1,825,256	—34.46

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$11,020,237	$8,235,713	—$2,784,524	—25.27

ELECTRICAL APPARATUS AND APPLIANCES—1891, 1892 —Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	2,949	4,125	+1,176	+39.88
Smallest number,	2,398	3,657	+1,259	+52.50
Greatest number,	3,681	4,517	+836	+22.71
Excess of greatest over smallest number,	1,283	860	—423	—32.97
Averages.				
Average number employed in each establishment,	173	243	+70	+40.46
Smallest number,	141	215	+74	+52.48
Greatest number,	217	266	+49	+22.58
Excess of greatest over smallest number,	76	51	—25	—32.89

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	2,310	353	2,663	3,552	404	3,956
February,	2,159	352	2,511	3,524	412	3,936
March,	2,110	332	2,442	3,596	429	4,025
April,	2,281	349	2,630	3,775	427	4,202
May,	2,339	348	2,687	3,925	474	4,399
June,	2,513	355	2,868	3,946	474	4,420
July,	2,643	373	3,016	3,981	451	4,432
August,	2,747	384	3,131	3,894	441	4,335
September,	2,933	402	3,335	3,862	439	4,301
October,	2,603	427	3,030	3,411	430	3,841
November,	3,003	452	3,455	3,326	418	3,744
December,	3,172	451	3,623	3,457	409	3,866
During the entire year,*	7	–	7	71	18	89

* 2 establishments in 1891; 6 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$1,783,112	$2,368,475	+$585,363	+32.83
Average yearly earnings,	604.65	574.18	—30.47	—5.04

ELECTRICAL APPARATUS AND APPLIANCES—1891, 1892 —Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	206	135	341	187	250	437
$5 but under $6,	136	59	195	160	50	210
$6 but under $7,	140	60	200	61	22	83
$7 but under $8,	204	51	255	512	13	525
$8 but under $9,	240	37	277	610	8	618
$9 but under $10,	214	55	269	178	7	185
$10 but under $12,	443	17	460	512	2	514
$12 but under $15,	607	5	612	610	2	612
$15 but under $20,	805	–	805	442	–	442
$20 and over,	231	–	231	41	–	41
Totals,	3,226	419	3,645	3,313	354	3,667

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	–	1	60 per cent,	2	–	75 per cent,	1	2
20 per cent,	–	1	65 per cent,	–	2	100 per cent,	6	7
25 per cent,	1	2	67 per cent,	1	–			
50 per cent,	5	2	70 per cent,	1	–	Totals,	17	17

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
104 days,	1	2	–	–	305 days,	3	116	1	18
240 days,	1	23	–	–	306 days,	10	2,791	11	3,847
296 days,	1	16	–	–					
300 days,	1	1	4	174	Totals,	17	2,949	17	4,125
303 days,	–	–	1	91					

ELECTROPLATING. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	11	11	=	=
Number of private firms,	11	11	=	=
Number of partners,	16	16	=	=
Males,	16	16	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$52,400	$51,100	—$1,300	—2.48

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$24,362	$23,251	—$1,111	—4.56

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$111,797	$115,242	+$3,445	+3.08

ELECTROPLATING — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	84	89	+5	+5.95
Smallest number,	73	79	+6	+8.22
Greatest number,	91	95	+4	+4.40
Excess of greatest over smallest number,	18	16	—2	—11.11
Averages.				
Average number employed in each establishment,	8	8	*=	*=
Smallest number,	7	7	*=	*=
Greatest number,	8	9	+1	+12.50
Excess of greatest over smallest number,	1	2	+1	+100.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	74	4	78	82	4	86
February,	76	4	80	79	4	83
March,	77	4	81	81	5	86
April,	78	4	82	81	5	86
May,	78	4	82	82	5	87
June,	79	4	83	85	5	90
July,	80	4	84	85	5	90
August,	79	4	83	88	4	92
September,	81	4	85	86	4	90
October,	86	4	90	82	4	86
November,	85	4	89	81	4	85
December,	83	4	87	78	4	82
During the entire year,*	21	1	22	20	1	21

* 4 establishments in 1891; 5 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$43,518	$45,997	+$2,479	+5.70
Average yearly earnings,	518.07	516.82	—1.25	—0.24

ELECTROPLATING — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	2	–	2	3	–	3
$5 but under $6,	3	1	4	3	1	4
$6 but under $7,	4	3	7	5	3	8
$7 but under $8,	3	–	3	4	–	4
$8 but under $9,	5	–	5	3	1	4
$9 but under $10,	16	–	16	16	–	16
$10 but under $12,	16	–	16	15	–	15
$12 but under $15,	22	–	22	18	–	18
$15 but under $20,	19	–	19	19	–	19
$20 and over,	2	–	2	2	–	2
Totals,	92	4	96	93	5	98

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
20 per cent,	1	2	75 per cent,	1	1	91 per cent,	1	–
25 per cent,	2	1	80 per cent,	–	1	100 per cent,	–	1
38 per cent,	–	1	83 per cent,	1	–			
50 per cent,	3	3	88 per cent,	1	–	Totals,	11	11
70 per cent,	1	–	90 per cent,	–	1			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
270 days,	–	–	2	12	300 days,	–	–	2	17
278 days,	1	25	–	–	304 days,	–	–	1	10
280 days,	1	5	–	–	306 days,	7	34	5	21
282 days,	–	–	1	29	310 days,	1	14	–	–
286 days,	1	6	–	–	Totals,	11	84	11	89

EMERY AND SAND PAPER AND CLOTH, ETC. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	13	13	=	=
Number of private firms,	2	2	=	=
Number of partners,	3	3	=	=
Males,	3	3	=	=
Number of corporations,	11	11	=	=
Number of stockholders,	109	121	+12	+11.01
Males,	92	105	+13	+14.13
Females,	16	15	—1	—6.25
Banks, trustees, etc.,	1	1	=	=
Aggregates: partners and stockholders,	112	124	+12	+10.71

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$799,682	$883,853	+$84,171	+10.53

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$383,648	$391,594	+$7,946	+2.07

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$935,867	$945,917	+$10,050	+1.07

EMERY AND SAND PAPER AND CLOTH, ETC.—1891, 1892 —Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	336	323	−13	−3.87
Smallest number,	285	294	+9	+3.16
Greatest number,	379	359	−20	−5.28
Excess of greatest over smallest number,	94	65	−29	−30.85
Averages.				
Average number employed in each establishment,	26	25	−1	−3.85
Smallest number,	22	23	+1	+4.55
Greatest number,	29	28	−1	−3.45
Excess of greatest over smallest number,	7	5	−2	−28.57

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	305	10	315	314	10	324
February,	303	10	313	316	10	326
March,	316	10	326	313	10	323
April,	333	10	343	312	10	322
May,	335	10	345	309	10	319
June,	342	10	352	312	10	322
July,	332	10	342	319	11	330
August,	341	10	351	322	11	333
September,	327	10	337	321	11	332
October,	326	10	336	318	11	329
November,	322	10	332	312	10	322
December,	323	10	333	317	11	328
During the entire year,*	–	–	–	60	–	60

* 3 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$170,301	$175,058	+$4,757	+2.79
Average yearly earnings,	506.85	541.98	+35.13	+6.93

EMERY AND SAND PAPER AND CLOTH, ETC. — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	9	-	9	5	1	6
$5 but under $6,	5	8	13	3	8	11
$6 but under $7,	9	1	10	7	1	8
$7 but under $8,	9	-	9	11	-	11
$8 but under $9,	14	-	14	6	-	6
$9 but under $10,	101	-	101	92	1	93
$10 but under $12,	103	1	104	113	-	113
$12 but under $15,	47	-	47	57	1	58
$15 but under $20,	31	-	31	37	-	37
$20 and over,	14	-	14	10	-	10
Totals,	342	10	352	341	12	353

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
40 per cent,	-	1	80 per cent,	-	2	95 per cent,	-	1
50 per cent,	2	2	82 per cent,	-	1	96 per cent,	-	1
65 per cent,	2	-	85 per cent,	1	-	100 per cent,	3	2
70 per cent,	1	-	90 per cent,	2	-			
75 per cent,	2	2	93 per cent,	-	1	Totals,	13	13

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
235 days,	-	-	1	6	305 days,	-	-	1	19
275 days,	1	6	-	-	306 days,	5	88	2	141
280 days,	1	36	-	-	308 days,	1	26	-	-
285 days,	-	-	1	39	309 days,	-	-	1	9
296 days,	-	-	1	26	313 days,	1	83	-	-
300 days,	3	37	4	73					
303 days,	1	60	2	10	Totals,	13	336	13	323

FANCY ARTICLES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	7	7	=	=
Number of private firms,	6	5	—1	—16.67
Number of partners,	9	8	—1	—11.11
Males,	9	8	—1	—11.11
Number of corporations,	1	2	+1	+100.00
Number of stockholders,	3	10	+7	+233.33
Males,	3	7	+4	+133.33
Females,	-	3	+3	-
Aggregates: partners and stockholders,	12	18	+6	+50.00

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$90,660	$94,710	+$4,050	+4.47

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$128,843	$139,775	+$10,932	+8.48

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$265,092	$282,291	+$17,199	+6.49

FANCY ARTICLES—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	226	240	+14	+6.19
Smallest number,	206	217	+11	+5.34
Greatest number,	256	262	+6	+2.34
Excess of greatest over smallest number,	50	45	—5	—10.00
Averages.				
Average number employed in each establishment,	32	34	+2	+6.25
Smallest number,	29	31	+2	+6.90
Greatest number,	37	37	*=	*=
Excess of greatest over smallest number,	8	6	—2	—25.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	41	195	236	45	181	226
February,	40	187	227	46	182	228
March,	42	186	228	47	181	228
April,	42	183	225	50	186	236
May,	40	182	222	50	186	236
June,	40	175	215	49	179	228
July,	40	169	209	51	183	234
August,	39	195	234	56	188	244
September,	41	193	234	56	192	248
October,	40	186	226	59	194	253
November,	41	183	224	61	196	257
December,	39	180	219	61	197	258
During the entire year,*	11	42	53	13	43	56

* 2 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$66,541	$76,105	+$9,564	+14.37
Average yearly earnings,	294.43	317.10	+22.67	+7.70

FANCY ARTICLES—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	6	87	93	8	97	105
$5 but under $6,	2	45	47	9	50	59
$6 but under $7,	1	41	42	6	27	33
$7 but under $8,	2	13	15	1	16	17
$8 but under $9,	3	5	8	3	7	10
$9 but under $10,	2	4	6	4	4	8
$10 but under $12,	7	1	8	4	1	5
$12 but under $15,	5	-	5	15	-	15
$15 but under $20,	10	-	10	6	-	6
$20 and over,	4	-	4	3	-	3
Totals,	42	196	238	59	202	261

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
25 per cent,	-	1	80 per cent,	1	-	93 per cent,	1	-
50 per cent,	2	-	85 per cent,	1	1	95 per cent,	-	1
75 per cent,	1	3	90 per cent,	1	1	Totals,	7	7

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
212 days,	-	-	1	1	303 days,	1	3	-	-
285 days,	-	-	1	53	304 days,	1	24	-	-
286 days,	-	-	1	3	306 days,	1	7	2	32
287 days,	1	20	-	-	307 days,	1	1	-	-
290 days,	-	-	1	17	Totals,	7	226	7	240
300 days,	2	171	1	134					

FERTILIZERS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	6	6	=	=
Number of private firms,	5	5	=	=
Number of partners,	7	7	=	=
Males,	7	7	=	=
Number of corporations,	1	1	=	=
Number of stockholders,	97	150	+53	+54.64
Males,	87	104	+17	+19.54
Females,	10	46	+36	+360.00
Aggregates: partners and stockholders,	104	157	+53	+50.96

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$154,470	$281,267	+$126,797	+82.09

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$171,271	$179,089	+$7,818	+4.56

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$255,412	$264,204	+$8,792	+3.44

FERTILIZERS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	47	46	−1	−2.13
Smallest number,	34	34	*=	*=
Greatest number,	89	85	−4	−4.49
Excess of greatest over smallest number,	55	51	−4	−7.27
Averages.				
Average number employed in each establishment,	8	8	*=	*=
Smallest number,	6	6	*=	*=
Greatest number,	15	14	−1	−6.67
Excess of greatest over smallest number,	9	8	−1	−11.11

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	45	-	45	44	-	44
February,	50	-	50	49	-	49
March,	66	-	66	64	-	64
April,	87	-	87	85	-	85
May,	56	-	56	53	-	53
June,	36	-	36	37	-	37
July,	36	-	36	35	-	35
August,	36	-	36	35	-	35
September,	37	-	37	36	-	36
October,	38	-	38	39	-	39
November,	39	-	39	39	-	39
December,	37	-	37	38	-	38
During the entire year,*	10	-	10	13	-	13

* 2 establishments in 1891; 1 establishment in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$33,283	$33,664	+$381	+1.14
Average yearly earnings,	708.15	731.83	+23.68	+3.34

EMERY AND SAND PAPER AND CLOTH, ETC. — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	9	-	9	5	1	6
$5 but under $6,	5	8	13	3	8	11
$6 but under $7,	9	1	10	7	1	8
$7 but under $8,	9	-	9	11	-	11
$8 but under $9,	14	-	14	6	-	6
$9 but under $10,	101	-	101	92	1	93
$10 but under $12,	103	1	104	113	-	113
$12 but under $15,	47	-	47	57	1	58
$15 but under $20,	31	-	31	37	-	37
$20 and over,	14	-	14	10	-	10
Totals,	342	10	352	341	12	353

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
40 per cent,	-	1	80 per cent,	-	2	95 per cent,	-	1
50 per cent,	2	2	82 per cent,	-	1	96 per cent,	-	1
65 per cent,	2	-	85 per cent,	1	-	100 per cent,	3	2
70 per cent,	1	-	90 per cent,	2	-			
75 per cent,	2	2	93 per cent,	-	1	Totals,	13	13

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
235 days,	-	-	1	6	305 days,	-	-	1	19
275 days,	1	6	-	-	306 days,	5	88	2	141
280 days,	1	36	-	-	308 days,	1	26	-	-
285 days,	-	-	1	39	309 days,	-	-	1	9
296 days,	-	-	1	26	313 days,	1	83	-	-
300 days,	3	37	4	73					
303 days,	1	60	2	10	Totals,	13	336	13	323

FINE ARTS AND TAXIDERMY. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	3	3	=	=
Number of private firms,	2	2	=	=
Number of partners,	3	3	=	=
Males,	3	3	=	=
Number of corporations,	1	1	=	=
Number of stockholders,	9	11	+2	+22.22
Males,	8	9	+1	+12.50
Females,	—	1	+1	—
Banks, trustees, etc.,	1	1	=	=
Aggregates: partners and stockholders,	12	14	+2	+16.67

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$12,000	$16,500	+$4,500	+37.50

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,525	$3,375	+$850	+33.66

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$14,000	$19,800	+$5,800	+41.43

FINE ARTS AND TAXIDERMY—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	9	12	+3	+33.33
Smallest number,	7	8	+1	+14.29
Greatest number,	16	17	+1	+6.25
Excess of greatest over smallest number,	9	9	*=	*=
Averages.				
Average number employed in each establishment,	3	4	+1	+33.33
Smallest number,	2	3	+1	+50.00
Greatest number,	5	6	+1	+20.00
Excess of greatest over smallest number,	3	3	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	7	-	7	9	3	12
February,	6	-	6	9	3	12
March,	7	-	7	9	3	12
April,	7	-	7	9	3	12
May,	6	-	6	9	3	12
June,	4	-	4	7	2	9
July,	7	-	7	7	1	8
August,	7	-	7	7	1	8
September,	8	1	9	7	3	10
October,	13	1	14	10	3	13
November,	14	2	16	11	3	14
December,	14	2	16	12	3	15

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$5,573	$9,024	+$3,451	+61.92
Average yearly earnings,	619.22	752.00	+132.78	+21.44

FINE ARTS AND TAXIDERMY—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	3	1	4	1	1	2
$5 but under $6,	-	-	-	-	2	2
$6 but under $7,	1	1	2	-	1	1
$7 but under $8,	1	-	1	1	-	1
$8 but under $9,	3	-	3	-	-	-
$9 but under $10,	1	-	1	-	-	-
$10 but under $12,	1	-	1	-	-	-
$12 but under $15,	-	-	-	-	-	-
$15 but under $20,	4	-	4	10	-	10
$20 and over,	-	-	-	1	-	1
Totals,	14	2	16	13	4	17

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	1	-	80 per cent,	1	-	100 per cent,	-	2
70 per cent,	-	1	90 per cent,	1	-	Totals,	3	3

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
160 days,	1	2	-	-	306 days,	2	7	2	7
300 days,	-	-	1	5	Totals,	3	9	3	12

FIREWORKS AND MATCHES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	3	3	=	=
Number of private firms,	2	1	—1	—50.00
Number of partners,	5	3	—2	—40.00
Males,	5	3	—2	—40.00
Number of corporations,	1	2	+1	+100.00
Number of stockholders,	3	6	+3	+100.00
Males,	3	6	+3	+100.00
Aggregates: partners and stockholders,	8	9	+1	+12.50

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$42,000	$45,000	+$3,000	+7.14

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$28,761	$38,027	+$9,266	+32.22

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$99,113	$129,687	+$30,574	+30.85

FIREWORKS AND MATCHES—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	71	76	+5	+7.04
Smallest number,	46	45	—1	—2.17
Greatest number,	93	100	+7	+7.53
Excess of greatest over smallest number,	47	55	+8	+17.02
Averages.				
Average number employed in each establishment,	24	25	+1	+4.17
Smallest number,	15	15	*=	*=
Greatest number,	31	36	+2	+6.45
Excess of greatest over smallest number,	16	18	+2	+12.50

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	52	18	70	35	20	55
February,	55	20	75	49	21	70
March,	57	18	75	63	23	86
April,	60	20	80	67	23	90
May,	60	21	81	69	25	94
June,	57	18	75	65	22	87
July,	51	16	67	46	15	61
August,	47	15	62	54	15	69
September,	54	18	72	63	17	80
October,	54	15	69	60	19	79
November,	58	10	68	59	19	78
December,	50	9	59	58	18	76

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$26,467	$31,275	+$4,808	+18.17
Average yearly earnings,	372.77	411.51	+38.74	+10.39

FIREWORKS AND MATCHES — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	-	1	1	-	1	1
$5 but under $6,	24	9	33	16	11	27
$6 but under $7,	7	13	20	13	10	23
$7 but under $8,	-	-	-	1	3	4
$8 but under $9,	2	-	2	3	-	3
$9 but under $10,	16	1	17	19	1	20
$10 but under $12,	8	-	8	4	-	4
$12 but under $15,	8	-	8	12	-	12
$15 but under $20,	5	-	5	7	-	7
$20 and over,	1	-	1	1	-	1
Totals,	71	24	95	76	26	102

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	1	1	85 per cent,	1	-	90 per cent,	-	2
75 per cent,	1	-				Totals,	3	3

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
265 days,	1	20	-	-	300 days,	1	23	-	-
276 days,	-	-	1	25	306 days,	1	23	1	23
287 days,	-	-	1	23	Totals,	3	71	3	76

FLAX, HEMP, JUTE, AND LINEN GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	8	8	=	=
Number of private firms,	5	5	=	=
Number of partners,	11	12	+1	+9.09
Males,	11	12	+1	+9.09
Number of corporations,	3	3	=	=
Number of stockholders,	58	58	=	=
Males,	25	24	—1	—4.00
Females,	26	28	+2	+7.69
Banks, trustees, etc.,	7	6	—1	—14.29
Aggregates: partners and stockholders,	69	70	+1	+1.45

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$2,403,554	$2,596,300	+$192,746	+8.02

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,205,167	$2,021,056	—$184,111	—8.35

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$3,074,929	$2,955,559	—$119,370	—3.88

FIREWORKS AND MATCHES — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	-	1	1	-	1	1
$5 but under $6,	24	9	33	16	11	27
$6 but under $7,	7	13	20	13	10	23
$7 but under $8,	-	-	-	1	3	4
$8 but under $9,	2	-	2	3	-	3
$9 but under $10,	16	1	17	19	1	20
$10 but under $12,	8	-	8	4	-	4
$12 but under $15,	8	-	8	12	-	12
$15 but under $20,	5	-	5	7	-	7
$20 and over,	1	-	1	1	-	1
Totals,	71	24	95	76	26	102

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	1	1	85 per cent,	1	-	90 per cent,	-	2
75 per cent,	1	-				Totals,	3	3

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
265 days,	1	20	-	-	300 days,	1	28	-	-
276 days,	-	-	1	25	306 days,	1	23	1	23
287 days,	-	-	1	23	Totals,	3	71	3	76

FLAX, HEMP, JUTE, AND LINEN GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	8	8	=	=
Number of private firms,	5	5	=	=
Number of partners,	11	12	+1	+9.09
Males,	11	12	+1	+9.09
Number of corporations,	3	3	=	=
Number of stockholders,	58	58	=	=
Males,	25	24	—1	—4.00
Females,	26	28	+2	+7.69
Banks, trustees, etc.,	7	6	—1	—14.29
Aggregates: partners and stockholders,	69	70	+1	+1.45

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$2,403,554	$2,596,300	+$192,746	+8.02

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,205,167	$2,021,056	—$184,111	—8.35

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$3,074,929	$2,955,559	—$119,370	—3.88

FLAX, HEMP, JUTE, AND LINEN GOODS—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Aggregates.				
Average number,	1,897	1,967	+70	+3.69
Smallest number,	1,843	1,857	+14	+0.76
Greatest number,	1,953	2,284	+331	+16.95
Excess of greatest over smallest number,	110	427	+317	+288.18
Averages.				
Average number employed in each establishment,	237	246	+9	+3.80
Smallest number,	230	232	+2	+0.87
Greatest number,	244	286	+42	+17.21
Excess of greatest over smallest number,	14	54	+40	+285.71

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	983	914	1,897	1,015	878	1,893
February,	984	928	1,912	994	883	1,877
March,	981	936	1,917	1,030	892	1,922
April,	980	933	1,913	1,107	940	2,047
May,	978	925	1,903	1,155	947	2,102
June,	981	920	1,901	1,220	994	2,214
July,	978	902	1,880	1,207	1,017	2,224
August,	999	891	1,890	1,245	1,001	2,246
September,	1,001	895	1,896	1,225	1,007	2,232
October,	996	903	1,899	1,121	997	2,118
November,	992	907	1,899	1,086	977	2,063
December,	983	887	1,870	1,076	967	2,043
During the entire year,*	507	325	832	6	2	8

* One establishment in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$610,311	$656,487	+$46,176	+7.57
Average yearly earnings,	321.72	333.75	+12.03	+3.74

FLAX, HEMP, JUTE, AND LINEN GOODS—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	204	424	628	229	408	637
$5 but under $6,	95	288	383	122	320	442
$6 but under $7,	147	170	317	147	232	379
$7 but under $8,	114	57	171	226	84	310
$8 but under $9,	67	25	92	89	18	107
$9 but under $10,	125	-	125	190	-	190
$10 but under $12,	105	-	105	98	-	98
$12 but under $15,	87	-	87	99	-	99
$15 but under $20,	38	-	38	35	-	35
$20 and over,	2	-	2	3	-	3
Totals,	984	964	1,948	1,238	1,062	2,300

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	1	-	70 per cent,	1	2	94 per cent,	-	1
65 per cent,	-	1	80 per cent,	-	1	97 per cent,	1	-
66 per cent,	1	-	89 per cent,	1	-	100 per cent,	3	1
68 per cent,	-	1	90 per cent,	-	1	Totals,	8	8

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
218 days,	-	-	1	23	302 days,	1	259	-	-
275 days,	1	28	1	29	305 days,	1	832	-	-
288 days,	-	-	1	492	306 days,	1	34	2	277
296 days,	1	472	-	-	310 days,	-	-	1	132
300 days,	2	14	2	1,014					
301 days,	1	258	-	-	Totals,	8	1,897	8	1,967

FOOD PREPARATIONS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	292	292	=	=
Number of private firms,	264	261	−3	−1.14
Number of partners,	375	365	−10	−2.67
Males,	370	355	−15	−4.05
Females,	3	7	+4	+133.33
Special,	2	2	=	=
Estates,	—	1	+1	—
Number of corporations,	28	31	+3	+10.71
Number of stockholders,	400	442	+42	+10.50
Males,	325	354	+29	+8.92
Females,	65	78	+13	+20.00
Banks, trustees, etc.,	5	5	=	=
Syndicates,	5	5	=	=
Aggregates: partners and stockholders,	775	807	+32	+4.13

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$15,023,150	$15,571,984	+$548,834	+3.65

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$48,101,437	$53,502,753	+$5,401,316	+11.23
Butter,	83,975	103,976	+20,001	+23.82
Calves,	103,804	96,302	−7,502	−7.23
Chocolate,	168,990	196,538	+27,548	+16.30
Codfish, salted	113,857	99,089	−14,768	−12.97
Codfish (not specified),	565,561	569,289	+3,728	+0.66
Coffee, green	2,795,585	2,958,144	+162,559	+5.81
Corn, Indian	3,109,960	3,138,836	+28,876	+0.93
Cream of tartar, raw	351,779	319,171	−32,608	−9.27
Eggs,	71,838	73,042	+1,204	+1.68
Fish, green	501,402	489,722	−11,680	−2.33
Fish, salted	238,870	219,059	−19,811	−8.29
Fish (not specified),	291,800	278,161	−13,639	−4.67
Flour, wheat	1,067,006	1,081,505	+14,499	+1.36

FOOD PREPARATIONS — 1891, 1892 — Continued.

STOCK USED. AGGREGATE VALUES — Concluded.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Glucose,	$50,090	$34,820	—$15,270	—30.49
Hogs,	13,182,016	18,271,327	+5,089,311	+38.61
Lard,	186,222	222,550	+36,328	+19.51
Pork,	102,107	87,852	—14,255	—13.96
Sheep,	162,500	182,000	+19,500	+12.00
Spices, raw	299,002	260,660	—38,342	—12.82
Sugar, refined	1,118,745	1,199,035	+80,290	+7.18
Not classified in detail,	23,536,328	23,621,675	+85,347	+0.36

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Butter,	100 pounds	4,797	5,328	+531	+11.07
Calves,	. .	15,313	14,970	—343	—2.24
Chocolate,	100 pounds	7,804	10,106	+2,302	+29.50
Codfish, salted	100 pounds	25,288	24,542	—746	—2.95
Codfish (not specified),	100 pounds	150,432	163,897	+13,465	+8.95
Coffee, green	100 pounds	151,696	160,209	+8,513	+5.61
Corn, Indian	100 bushels	47,938	56,960	+9,022	+18.82
Cream of tartar, raw	100 pounds	15,087	14,806	—281	—1.86
Eggs,	100 dozen	3,620	3,708	+88	+2.43
Fish, green	100 pounds	139,095	142,633	+3,538	+2.54
Fish, salted	100 pounds	50,566	47,827	—2,739	—5.42
Fish (not specified),	100 pounds	85,850	78,080	—7,770	—9.05
Flour, wheat	barrels	206,311	228,742	+22,431	+10.87
Glucose,	100 pounds	18,688	16,090	—2,598	—13.90
Hogs,	. .	1,055,244	1,274,879	+219,635	+20.81
Lard,	100 pounds	27,113	28,937	+1,824	+6.73
Pork,	100 pounds	17,175	14,708	—2,467	—14.36
Sheep,	. .	41,000	43,500	+2,500	+6.10
Spices, raw	100 pounds	25,979	25,828	—151	—0.58
Sugar, refined	100 pounds	202,085	216,658	+14,573	+7.21
Sugar, refined	barrels	9,705	11,628	+1,923	+19.81

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Butter,	100 pounds	$17.51	$19.52	+$2.01	+11.48
Calves,	. .	6.78	6.43	—0.35	—5.16
Chocolate,	100 pounds	21.65	19.45	—2.20	—10.16
Codfish, salted	100 pounds	4.50	4.04	—0.46	—10.22

FOOD PREPARATIONS — 1891, 1892 — Continued.

STOCK USED. AVERAGE VALUES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Codfish (not specified),	100 pounds	$3.76	$3.47	− $0.29	−7.71
Coffee, green	100 pounds	18.43	18.46	+0.03	+0.16
Corn, Indian	100 bushels	64.87	55.11	−9.76	−15.05
Cream of tartar, raw	100 pounds	23.32	21.56	−1.76	−7.55
Eggs,	100 dozen	19.84	19.70	−0.14	−0.71
Fish, green	100 pounds	3.60	3.43	−0.17	−4.72
Fish, salted	100 pounds	4.72	4.58	−0.14	−2.97
Fish (not specified),	100 pounds	3.40	3.56	+0.16	+4.71
Flour, wheat	barrels	5.17	4.73	−0.44	−8.51
Glucose,	100 pounds	2.68	2.16	−0.52	−19.40
Hogs,	. .	12.49	14.33	+1.84	+14.73
Lard,	100 pounds	6.87	7.69	+0.82	+11.94
Pork,	100 pounds	5.95	5.97	+0.02	+0.34
Sheep,	. .	3.96	4.18	+0.22	+5.56
Spices, raw	100 pounds	11.51	10.09	−1.42	−12.34
Sugar, refined	100 pounds	4.72	4.65	−0.07	−1.48
Sugar, refined	barrels	16.95	16.57	−0.38	−2.24

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$57,910,528	$63,373,882	+$5,463,354	+9.43
Beef, dressed	61,378	62,957	+1,579	+2.57
Bread, pilot	95,814	90,419	−5,395	−5.63
Bread, white	116,071	121,761	+5,690	+4.90
Codfish, boneless	236,035	253,689	+17,654	+7.48
Codfish, cured	249,994	266,429	+16,435	+6.57
Coffee, roasted	3,368,830	3,509,160	+140,330	+4.17
Confectionery,	1,814,697	2,035,578	+220,881	+12.17
Corn meal,	2,706,678	2,718,896	+12,218	+0.45
Crackers,	413,077	429,603	+16,526	+4.00
Cream of tartar,	372,386	344,497	−27,889	−7.49
Feed,	320,246	345,394	+25,148	+7.85
Fish, boneless	1,182,745	1,081,733	−101,012	−8.54
Hams,	645,205	919,926	+274,721	+42.58
Ice,	487,118	525,706	+38,588	+7.92
Ice cream,	52,105	69,299	+17,194	+33.00
Lard, refined	447,933	471,272	+23,339	+5.21
Pork, dressed	1,071,253	1,370,073	+298,820	+27.89
Pork, salted	355,250	360,050	+4,800	+1.35
Sausages,	285,966	292,333	+6,367	+2.23
Shoulders, smoked	143,332	200,125	+56,793	+39.62
Spices, ground	233,540	205,833	−27,707	−11.86
Not classified in detail,	43,250,875	47,699,149	+4,448,274	+10.28

FOOD PREPARATIONS — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Beef, dressed	100 pounds	7,261	7,791	+530	+7.30
Bread, pilot	100 pounds	15,427	14,399	−1,028	−6.66
Bread, white	100 pounds	8,794	9,424	+630	+7.16
Bread, white	100 loaves	12,160	12,368	+208	+1.71
Codfish, boneless	100 pounds	39,185	54,536	+15,351	+39.18
Codfish, cured	100 pounds	52,787	57,861	+5,074	+9.61
Coffee, roasted	100 pounds	132,651	140,760	+8,109	+6.11
Confectionery,	100 pounds	144,080	162,935	+18,855	+13.09
Corn meal,	100 pounds	111,511	106,598	−4,913	−4.41
Corn meal,	100 bushels	38,694	45,961	+7,267	+18.78
Crackers,	100 pounds	29,585	30,864	+1,279	+4.32
Crackers,	barrels	89,800	96,611	+6,811	+7.58
Cream of tartar,	100 pounds	14,421	14,071	−350	−2.43
Feed,	100 bushels	5,283	6,527	+1,244	+23.55
Fish, boneless	100 pounds	173,688	170,346	−3,342	−1.92
Hams,	100 pounds	75,891	85,815	+9,924	+13.08
Ice,	tons	159,216	176,650	+17,434	+10.95
Ice cream,	gallons	32,105	43,363	+11,258	+35.07
Lard, refined	100 pounds	69,308	68,981	−327	−0.47
Pork, dressed	100 pounds	150,037	163,758	+13,721	+9.15
Pork, salted	100 pounds	63,500	63,600	+100	+0.16
Sausages,	100 pounds	37,414	35,784	−1,630	−4.36
Shoulders, smoked	100 pounds	23,889	23,015	−874	−3.66
Spices, ground	100 pounds	15,706	14,694	−1,012	−6.44

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Beef, dressed	100 pounds	$8.45	$8.08	−$0.37	−4.38
Bread, pilot	100 pounds	6.21	6.28	+0.07	+1.13
Bread, white	100 pounds	4.18	4.04	−0.14	−3.35
Bread, white	100 loaves	6.52	6.77	+0.25	+3.83
Codfish, boneless	100 pounds	6.02	4.65	−1.37	−22.76
Codfish, cured	100 pounds	4.74	4.60	−0.14	−2.95
Coffee, roasted	100 pounds	25.40	24.93	−0.47	−1.85
Confectionery,	100 pounds	12.60	12.49	−0.11	−0.87
Corn meal,	100 pounds	1.43	1.23	−0.20	−13.99
Corn meal,	100 bushels	65.84	56.29	−9.55	−14.50
Crackers,	100 pounds	5.57	5.08	−0.49	−8.80
Crackers,	barrels	2.77	2.82	+0.05	+1.81
Cream of tartar,	100 pounds	25.82	24.48	−1.34	−5.19
Feed,	100 bushels	60.62	52.92	−7.70	−12.70
Fish, boneless	100 pounds	6.81	6.35	−0.46	−6.75
Hams,	100 pounds	8.50	10.72	+2.22	+26.12
Ice,	tons	3.06	2.98	−0.08	−2.61

FOOD PREPARATIONS — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Ice cream,	gallons	$1.62	$1.60	—$0.02	—1.23
Lard, refined	100 pounds	6.46	6.83	+0.37	+5.73
Pork, dressed	100 pounds	7.14	8.37	+1.23	+17.23
Pork, salted	100 pounds	5.59	5.66	+0.07	+1.25
Sausages,	100 pounds	7.64	8.17	+0.53	+6.94
Shoulders, smoked	100 pounds	6.00	8.70	+2.70	+45.00
Spices, ground	100 pounds	14.87	14.01	—0.86	—5.78

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	6,590	7,150	+560	+8.50
Smallest number,	5,174	5,606	+432	+8.35
Greatest number,	9,175	9,707	+532	+5.80
Excess of greatest over smallest number,	4,001	4,101	+100	+2.50
Averages.				
Average number employed in each establishment,	23	24	+1	+4.35
Smallest number,	18	19	+1	+5.56
Greatest number,	31	33	+2	+6.45
Excess of greatest over smallest number,	13	14	+1	+7.69

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	5,598	1,339	6,937	5,651	1,453	7,104
February,	4,730	1,454	6,184	5,527	1,477	7,004
March,	4,692	1,507	6,199	5,339	1,560	6,899
April,	4,817	1,558	6,375	5,188	1,599	6,787
May,	4,918	1,521	6,439	5,236	1,690	6,926
June,	5,029	1,599	6,628	5,331	1,734	7,065
July,	5,143	1,602	6,745	5,509	1,790	7,299
August,	5,195	1,645	6,840	5,549	1,816	7,365
September,	5,298	1,801	7,099	5,583	1,964	7,547
October,	5,191	1,749	6,940	5,402	2,022	7,424
November,	5,199	1,712	6,911	5,202	2,021	7,223
December,	5,112	1,624	6,736	5,059	1,831	6,890
During the entire year,*	835	112	947	791	119	910

* 131 establishments in 1891; 127 establishments in 1892.

FOOD PREPARATIONS — 1891, 1892 — Continued.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages, ...	$3,231,586	$3,430,149	+$198,563	+6.14
Average yearly earnings, ...	490.38	479.74	—10.64	—2.17

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5, ...	169	934	1,103	201	1,099	1,300
$5 but under $6, ...	152	516	668	147	560	707
$6 but under $7, ...	366	384	750	344	294	638
$7 but under $8, ...	289	167	456	279	171	450
$8 but under $9, ...	*287	69	*356	297	56	353
$9 but under $10, ...	1,502	28	1,530	1,542	43	1,585
$10 but under $12, ...	1,831	27	1,858	1,975	25	2,000
$12 but under $15, ...	1,554	26	1,580	1,432	25	1,457
$15 but under $20, ...	691	2	693	903	4	907
$20 and over, ...	186	-	186	211	-	211
Totals, ...	7,027	2,153	9,180	7,331	2,277	9,608

* Includes seven with board.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent, .	1	-	50 per cent, .	75	68	75 per cent, .	68	49
12 per cent, .	2	3	55 per cent, .	-	4	78 per cent, .	1	1
15 per cent, .	1	1	58 per cent, .	-	2	80 per cent, .	15	17
19 per cent, .	1	-	60 per cent, .	17	15	81 per cent, .	-	1
20 per cent, .	6	6	62 per cent, .	1	-	82 per cent, .	1	-
22 per cent, .	-	1	63 per cent, .	2	-	83 per cent, .	-	1
24 per cent, .	-	1	64 per cent, .	1	-	85 per cent, .	7	6
25 per cent, .	13	15	65 per cent, .	4	14	87 per cent, .	-	1
30 per cent, .	1	4	66 per cent, .	-	2	90 per cent, .	16	16
33 per cent, .	5	9	67 per cent, .	9	7	91 per cent, .	1	-
35 per cent, .	-	1	70 per cent, .	7	9	95 per cent, .	2	2
37 per cent, .	1	-	71 per cent, .	-	1	96 per cent, .	1	-
40 per cent, .	8	2	72 per cent, .	1	-	100 per cent, .	22	28
45 per cent, .	1	4	74 per cent, .	1	1	Totals, .	292	292

FOOD PREPARATIONS — 1891, 1892 — Concluded.

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
27 days, .	-	-	1	-	270 days, .	-	-	1	5
33 days, .	1	-	-	-	275 days, .	3	7	2	37
51 days, .	1	15	1	23	277 days, .	1	17	-	-
60 days, .	-	-	1	2	280 days, .	1	22	3	60
75 days, .	1	2	1	-	285 days, .	1	6	-	-
78 days, .	1	-	2	1	286 days, .	1	378	2	360
85 days, .	1	1	-	-	287 days, .	2	42	-	-
87 days, .	-	-	1	3	290 days, .	4	91	2	35
90 days, .	1	1	-	-	291 days, .	1	276	-	-
100 days, .	-	-	1	-	293 days, .	-	-	1	19
102 days, .	1	1	-	-	294 days, .	-	-	1	247
103 days, .	1	6	-	-	298 days, .	-	-	1	31
110 days, .	1	4	-	-	299 days, .	-	-	1	51
140 days, .	-	-	1	1	300 days, .	33	813	37	1,108
150 days, .	6	46	3	5	301 days, .	1	535	-	-
153 days, .	-	-	1	-	302 days, .	-	-	2	82
154 days, .	2	3	1	1	303 days, .	2	39	3	16
160 days, .	-	-	1	32	304 days, .	1	12	5	70
168 days, .	2	6	-	-	305 days, .	9	201	6	32
176 days, .	-	-	1	4	306 days, .	140	2,424	128	3,547
180 days, .	-	-	1	1	307 days, .	4	65	5	80
183 days, .	-	-	1	2	308 days, .	4	58	7	549
194 days, .	-	-	1	1	309 days, .	2	861	3	17
195 days, .	1	4	-	-	310 days, .	5	67	3	91
199 days, .	-	-	1	1	311 days, .	1	9	-	-
200 days, .	3	3	6	10	312 days, .	-	-	1	6
201 days, .	1	1	-	-	313 days, .	14	184	9	55
204 days, .	1	3	-	-	314 days, .	-	-	1	1
206 days, .	1	1	1	2	315 days, .	2	40	2	43
208 days, .	1	2	2	7	316 days, .	1	10	1	10
210 days, .	1	1	-	-	321 days, .	-	-	1	4
225 days, .	1	3	-	-	336 days, .	1	3	-	-
228 days, .	1	37	-	-	337 days, .	4	20	-	-
230 days, .	-	-	1	36	344 days, .	-	-	1	5
231 days, .	1	2	-	-	350 days, .	-	-	1	5
238 days, .	-	-	1	5	358 days, .	-	-	1	9
240 days, .	1	2	1	3	360 days, .	1	11	-	-
246 days, .	-	-	1	4	365 days, .	16	219	24	432
250 days, .	4	6	3	4					
260 days, .	-	-	1	2	Totals, .	292	6,590	292	7,150
268 days, .	1	30	-	-					

FURNITURE. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	142	142	=	=
Number of private firms,	129	129	=	=
Number of partners,	235	229	—6	—2.55
Males,	224	216	—8	—3.57
Females,	4	6	+2	+50.00
Special,	5	5	=	=
Estates,	2	2	=	=
Number of corporations,	13	13	=	=
Number of stockholders,	400	394	—6	—1.50
Males,	243	277	+34	+13.99
Females,	114	117	+3	+2.63
Banks, trustees, etc,	43	-	—43	—100.00
Aggregates: partners and stockholders,	635	623	—12	—1.89

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$6,543,914	$6,763,638	+$219,724	+3.36

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$4,743,233	$5,579,338	+$836,105	+17.63
Cane, chair	88,587	71,684	—16,903	—19.08
Hair, curled	26,776	18,685	—8,091	—30.22
Lumber:				
Ash,	17,846	20,520	+2,674	+14.98
Cherry,	4,164	4,793	+629	+15.11
Chestnut,	44,776	41,073	—3,703	—8.27
Mahogany,	1,453	1,684	+231	+15.90
Oak,	31,491	25,517	—5,974	—18.97
Pine,	19,928	19,347	—581	—2.92
Walnut,	3,445	2,777	—668	—19.39
Whitewood,	4,569	4,818	+249	+5.45
Lumber (not specified),	242,801	228,540	—14,261	—5.87
Rattan,	541,040	688,525	+147,485	+27.25
Ticking,	50,722	53,965	+3,243	+6.39
Not classified in detail,	3,665,635	4,397,410	+731,775	+19.96

FURNITURE — 1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Cane, chair	bales	2,619	2,286	—333	—12.71
Hair, curled	100 pounds	1,463	1,017	—446	—30.49
Lumber:					
Ash,	M feet	648	782	+134	+20.68
Cherry,	M feet	95	102	+7	+7.37
Chestnut,	M feet	2,621	2,445	—176	—6.71
Mahogany,	M feet	11	11	*=	*=
Oak,	M feet	1,381	1,094	—287	—20.78
Pine,	M feet	2,097	2,060	—37	—1.76
Walnut,	M feet	45	40	—5	—11.11
Whitewood,	M feet	148	162	+14	+9.46
Lumber (not specified),	M feet	10,555	10,027	—528	—5.00
Rattan,	tons	3,365½	3,698¾	+333¼	+9.91
Ticking,	100 yards	5,651	5,698	+47	+0.83

* No change in quantity.

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Cane, chair	bales	$33.82	$31.36	—$2.46	—7.27
Hair, curled	100 pounds	18.30	18.37	+0.07	+0.38
Lumber:					
Ash,	M feet	27.54	26.24	—1.30	—4.72
Cherry,	M feet	43.83	46.99	+3.16	+7.21
Chestnut,	M feet	17.08	16.80	—0.28	—1.64
Mahogany,	M feet	132.09	153.09	+21.00	+15.90
Oak,	M feet	22.80	23.32	+0.52	+2.28
Pine,	M feet	9.50	9.39	—0.11	—1.16
Walnut,	M feet	76.56	69.43	—7.13	—9.31
Whitewood,	M feet	30.87	29.74	—1.13	—3.66
Lumber (not specified),	M feet	23.00	22.79	—0.21	—0.91
Rattan,	tons	160.78	186.15	+25.37	+15.78
Ticking,	100 yards	8.98	9.47	+0.49	+5.46

FURNITURE — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$11,163,894	$12,856,202	+$1,692,308	+15.16
Beds, folding	39,000	32,500	—6,500	—16.67
Beds, spring	28,500	23,825	—4,675	—16.40
Bookcases,	11,765	15,028	+3,263	+27.73
Chairs:				
Cane-seat,	822,973	825,926	+2,953	+0.36
Reed,	40,590	106,952	+66,362	+163.49
Rocking,	27,667	35,390	+7,723	+27.91
Wood-seat,	169,220	146,577	—22,643	—13.38
Chairs (not specified),	462,820	424,422	—38,398	—8.30
Chamber sets,	208,131	277,680	+69,549	+33.42
Desks,	124,540	123,423	—1,117	—0.90
Lounges,	23,355	12,350	—11,005	—47.12
Mattresses,	189,500	203,500	+14,000	+7.39
Refrigerators,	98,030	110,000	+11,970	+12.21
Not classified in detail,	8,917,803	10,518,629	+1,600,826	+17.95

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Beds, folding	. .	4,200	4,000	—200	—4.76
Beds, spring	. .	12,500	12,550	+50	+0.40
Bookcases,	. .	1,135	1,326	+191	+16.83
Chairs:					
Cane-seat,	dozen	95,883¼	99,824	+3,940¾	+4.11
Reed,	. .	8,318	14,155	+5,837	+70.17
Rocking,	dozen	2,600	3,100	+500	+19.23
Wood-seat,	dozen	38,059	37,654½	—404½	—1.06
Chairs (not specified),	dozen	80,322½	75,550¼	—4,772¼	—5.94
Chamber sets,	. .	16,655	21,775	+5,120	+30.74
Desks,	. .	3,611	3,209	—402	—11.13
Lounges,	. .	2,775	1,605	—1,170	—42.16
Mattresses,	. .	56,000	70,800	+14,800	+26.46
Refrigerators,	. .	8,803	9,800	+997	+11.33

FURNITURE — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Beds, folding	. .	$9.29	$8.13	—$1.16	—12.49
Beds, spring	. .	2.28	1.90	—0.38	—16.67
Bookcases,	. .	10.37	11.33	+0.96	+9.26
Chairs:					
Cane-seat,	dozen	8.58	8.27	—0.31	—3.61
Reed,	. .	4.88	7.56	+2.68	+54.92
Rocking,	dozen	10.64	11.42	+0.78	+7.33
Wood-seat,	dozen	4.45	3.89	—0.56	—12.58
Chairs (not specified),	dozen	5.76	5.62	—0.14	—2.43
Chamber sets,	. .	12.50	12.75	+0.25	+2.00
Desks,	. .	34.49	38.46	+3.97	+11.51
Lounges,	. .	8.42	7.69	—0.73	—8.67
Mattresses,	. .	3.38	2.87	—0.51	—15.09
Refrigerators,	. .	11.14	11.22	+0.08	+0.72

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	5,631	5,562	—69	—1.23
Smallest number,	5,023	4,992	—31	—0.62
Greatest number,	6,152	6,117	—35	—0.57
Excess of greatest over smallest number,	1,129	1,125	—4	—0.35
Averages.				
Average number employed in each establishment,	40	39	—1	—2.50
Smallest number,	35	35	*=	*=
Greatest number,	46	43	*=	*=
Excess of greatest over smallest number,	8	8	*=	*=

* No change.

FURNITURE—1891, 1892—Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	5,009	474	5,483	4,940	447	5,387
February,	4,975	486	5,461	4,983	432	5,415
March,	5,134	495	5,629	5,156	446	5,602
April,	5,183	522	5,705	5,225	457	5,682
May,	5,180	530	5,710	5,203	456	5,659
June,	5,143	530	5,673	5,206	459	5,665
July,	5,007	475	5,482	5,018	407	5,425
August,	4,995	484	5,479	4,959	405	5,364
September,	5,141	507	5,648	5,185	437	5,622
October,	5,329	536	5,865	5,223	451	5,674
November,	5,243	541	5,784	5,212	458	5,670
December,	5,146	517	5,663	5,040	442	5,482
During the entire year,*	1,938	44	1,982	1,960	61	2,021

* 38 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$2,837,010	$2,820,068	−$16,942	−0.60
Average yearly earnings,	503.82	507.02	+3.20	+0.64

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	221	165	386	214	112	326
$5 but under $6,	124	80	204	143	54	197
$6 but under $7,	207	100	307	158	73	231
$7 but under $8,	221	100	321	245	91	336
$8 but under $9,	333	85	418	322	64	386
$9 but under $10,	623	49	672	529	53	582
$10 but under $12,	818	37	855	866	55	921
$12 but under $15,	938	3	941	979	7	986
$15 but under $20,	670	–	670	696	1	697
$20 and over,	160	1	161	138	1	139
Totals,	4,315	620	4,935	4,290	511	4,801

FURNITURE—1891, 1892—Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
5 per cent,	-	1	60 per cent,	6	7	80 per cent,	18	11
10 per cent,	1	-	62 per cent,	1	-	83 per cent,	2	-
15 per cent,	-	1	65 per cent,	2	4	84 per cent,	1	1
16 per cent,	1	-	66 per cent,	-	4	85 per cent,	2	3
20 per cent,	3	3	67 per cent,	2	3	87 per cent,	-	3
25 per cent,	6	4	68 per cent,	-	1	90 per cent,	10	5
33 per cent,	3	6	70 per cent,	7	4	93 per cent,	-	1
35 per cent,	2	1	71 per cent,	-	1	95 per cent,	-	3
40 per cent,	-	1	72 per cent,	-	1	100 per cent,	11	10
50 per cent,	30	27	73 per cent,	-	1			
52 per cent,	-	1	75 per cent,	32	31	Totals,	142	142
55 per cent,	1	1	76 per cent,	1	2			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
150 days,	1	7	1	6	284 days,	-	-	1	69
200 days,	-	-	2	16	285 days,	4	119	2	98
214 days,	1	14	-	-	288 days,	2	140	1	90
220 days,	-	-	1	2	289 days,	-	-	2	43
225 days,	-	-	1	60	290 days,	9	282	4	68
226 days,	-	-	1	17	292 days,	1	26	1	3
228 days,	1	5	-	-	294 days,	3	133	3	109
239 days,	1	15	-	-	295 days,	3	68	3	100
240 days,	1	5	-	-	296 days,	1	9	-	-
250 days,	2	33	-	-	297 days,	1	74	-	-
255 days,	-	-	1	51	298 days,	2	122	-	-
260 days,	-	-	1	5	299 days,	1	9	-	-
265 days,	-	-	1	10	300 days,	16	2,014	21	823
268 days,	1	11	-	-	301 days,	2	37	1	100
269 days,	-	-	1	17	302 days,	1	91	-	-
270 days,	1	28	-	-	303 days,	-	-	2	1,244
272 days,	1	14	-	-	304 days,	4	75	2	233
275 days,	2	21	3	126	305 days,	3	50	2	16
276 days,	1	29	2	30	306 days,	68	1,982	73	2,035
277 days,	1	23	1	14	307 days,	1	83	2	99
278 days,	1	44	-	-	309 days,	1	11	-	-
280 days,	3	37	3	33	313 days,	-	-	1	3
282 days,	-	-	2	42	Totals,	142	5,631	142	5,562
283 days,	1	20	-	-					

GLASS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (—), Decrease (+), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	10	10	=	=
Number of private firms,	7	7	=	=
Number of partners,	10	10	=	=
Males,	9	9	=	=
Females,	1	1	=	=
Number of corporations,	3	3	=	=
Number of stockholders,	53	61	+8	+15.09
Males,	44	49	+5	+11.36
Females,	9	12	+3	+33.33
Aggregates: partners and stockholders,	63	71	+8	+12.70

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$482,000	$553,500	+$71,500	+14.83

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$163,715	$185,225	+$21,510	+13.14

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$652,523	$677,304	+$24,781	+3.80

GLASS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	568	596	+28	+4.93
Smallest number,	445	440	—5	—1.12
Greatest number,	605	684	+79	+13.06
Excess of greatest over smallest number,	160	244	+84	+52.50
Averages.				
Average number employed in each establishment,	57	60	+3	+5.26
Smallest number,	45	44	—1	—2.22
Greatest number,	61	68	+7	+11.48
Excess of greatest over smallest number,	16	24	+8	+50.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	557	36	593	490	33	523
February,	560	36	596	557	36	593
March,	560	36	596	565	40	605
April,	553	35	588	562	41	603
May,	542	34	576	563	41	604
June,	534	34	568	550	41	591
July,	474	32	506	486	36	522
August,	427	29	456	484	36	520
September,	552	34	586	546	40	586
October,	559	34	593	616	47	663
November,	556	34	590	624	46	670
December,	542	33	575	620	47	667
During the entire year,*	285	25	310	-	-	-

* 2 establishments in 1891.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$274,130	$323,756	+$49,626	+18.10
Average yearly earnings,	482.62	543.21	+60.59	+12.55

GLASS — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	67	18	85	71	26	97
$5 but under $6,	24	7	31	38	10	48
$6 but under $7,	46	7	53	44	7	51
$7 but under $8,	40	2	42	41	3	44
$8 but under $9,	22	-	22	22	-	22
$9 but under $10,	27	-	27	29	1	30
$10 but under $12,	48	1	49	44	1	45
$12 but under $15,	66	-	66	87	-	87
$15 but under $20,	155	-	155	173	-	173
$20 and over,	75	-	75	86	-	86
Totals,	570	35	605	635	48	683

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
20 per cent,	-	1	75 per cent,	1	3	90 per cent,	1	1
25 per cent,	1	1	80 per cent,	1	1	95 per cent,	1	-
45 per cent,	1	-	82 per cent,	-	1	98 per cent,	-	1
50 per cent,	2	1	85 per cent,	2	-	Totals,	10	10

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
245 days,	-	-	1	88	300 days,	1	8	1	69
270 days,	-	-	1	7	304 days,	-	-	1	10
278 days,	1	96	-	-	305 days,	1	9	1	33
280 days,	2	303	-	-	306 days,	5	152	3	43
290 days,	-	-	1	337					
295 days,	-	-	1	9	Totals,	10	568	10	596

GLUE, ISINGLASS, AND STARCH. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	18	18	=	=
Number of private firms,	14	14	=	=
Number of partners,	30	27	—3	—10.00
Males,	28	25	—3	—10.71
Females,	1	1	=	=
Estates,	1	1	=	=
Number of corporations,	4	4	=	=
Number of stockholders,	38	38	=	=
Males,	35	35	=	=
Females,	3	3	=	=
Aggregates: partners and stockholders,	68	65	—3	—4.41

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,085,315	$1,144,132	+$58,817	+5.42

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$668,261	$701,027	+$32,766	+4.90

GLUE, ISINGLASS, AND STARCH—1891, 1892—Continued.

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,109,942	$1,163,977	+$54,035	+4.87
Glue, hard	399,608	393,333	—6,275	—1.57
Glue, liquid	193,452	202,090	+8,638	+4.47
Isinglass,	159,331	182,228	+22,897	+14.37
Not classified in detail,	357,551	386,326	+28,775	+8.05

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Glue, hard	100 pounds	35,176	33,672	—1,504	—4.28
Glue, liquid	100 gallons	1,069	1,278	+209	+19.55
Isinglass,	100 pounds	3,277	3,741	+464	+14.16

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Glue, hard	100 pounds	$11.36	$11.68	+$0.32	+2.82
Glue, liquid	100 gallons	180.97	158.13	—22.84	—12.62
Isinglass,	100 pounds	48.62	48.71	+0.09	+0.19

GLASS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	568	596	+28	+4.93
Smallest number,	445	440	—5	—1.12
Greatest number,	605	684	+79	+13.06
Excess of greatest over smallest number,	160	244	+84	+52.50
Averages.				
Average number employed in each establishment,	57	60	+3	+5.26
Smallest number,	45	44	—1	—2.22
Greatest number,	61	68	+7	+11.48
Excess of greatest over smallest number,	16	24	+8	+50.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	557	36	593	490	33	523
February,	560	36	596	557	36	593
March,	560	36	596	565	40	605
April,	553	35	588	562	41	603
May,	542	34	576	563	41	604
June,	534	34	568	550	41	591
July,	474	32	506	486	36	522
August,	427	29	456	484	36	520
September,	552	34	586	546	40	586
October,	559	34	593	616	47	663
November,	556	34	590	624	46	670
December,	542	33	575	620	47	667
During the entire year,*	285	25	310	-	-	-

* 2 establishments in 1891.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$274,130	$323,756	+$49,626	+18.10
Average yearly earnings,	482.62	543.21	+60.59	+12.55

GLUE, ISINGLASS, AND STARCH—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	4	8	12	2	38	40
$5 but under $6,	17	35	52	19	2	21
$6 but under $7,	41	5	46	36	2	38
$7 but under $8,	118	16	134	79	20	99
$8 but under $9,	58	1	59	92	1	93
$9 but under $10,	148	-	148	145	-	145
$10 but under $12,	148	-	148	150	-	150
$12 but under $15,	40	-	40	47	-	47
$15 but under $20,	17	-	17	20	-	20
$20 and over,	1	-	1	2	-	2
Totals,	592	65	657	592	63	655

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
20 per cent,	1	-	67 per cent,	1	-	83 per cent,	1	-
33 per cent,	-	1	75 per cent,	3	3	90 per cent,	1	1
40 per cent,	1	-	77 per cent,	1	1	97 per cent,	-	1
45 per cent,	-	1	78 per cent,	1	-	100 per cent,	5	5
50 per cent,	1	3	80 per cent,	2	2	Totals,	18	18

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
46 days,	1	5	-	-	230 days,	1	3	-	-
50 days,	1	13	-	-	236 days,	1	45	-	-
62 days,	-	-	1	9	240 days,	-	-	2	58
72 days,	-	-	1	11	250 days,	-	-	1	35
90 days,	1	25	-	-	269 days,	1	34	-	-
92 days,	-	-	1	26	270 days,	1	22	1	24
200 days,	3	129	2	115	280 days,	-	-	1	34
204 days,	1	4	1	4	300 days,	2	38	1	7
208 days,	1	6	1	4	302 days,	1	19	-	-
210 days,	1	15	-	-	306 days,	2	75	3	104
218 days,	-	-	1	6					
225 days,	-	-	1	1	Totals,	18	433	18	438

HAIR WORK (ANIMAL AND HUMAN). 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	10	10	=	=
Number of private firms,	10	10	=	=
Number of partners,	10	10	=	=
Males,	7	8	+1	+14.29
Females,	3	2	−1	−33.33

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$199,500	$206,500	+$7,000	+3.51

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$365,749	$417,516	+$51,767	+14.15

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$533,730	$647,648	+$113,918	+21.34

HAIR WORK (ANIMAL AND HUMAN) — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	205	202	−3	−1.46
Smallest number,	181	175	−6	−3.31
Greatest number,	221	227	+6	+2.71
Excess of greatest over smallest number,	40	52	+12	+30.00
Averages.				
Average number employed in each establishment,	21	20	−1	−4.76
Smallest number,	18	18	*=	*=
Greatest number,	22	23	+1	+4.55
Excess of greatest over smallest number,	4	5	+1	+25.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	93	107	200	90	101	191
February,	97	106	203	91	107	198
March,	103	105	208	102	106	208
April,	101	101	202	97	106	203
May,	107	102	209	99	106	205
June,	100	96	196	99	95	194
July,	104	99	203	99	98	197
August,	104	104	208	97	107	204
September,	97	111	208	91	109	200
October,	98	108	206	91	111	202
November,	96	110	206	91	115	206
December,	96	109	205	88	116	204
During the entire year,*	4	29	33	3	34	37

* 4 establishments in 1891; 5 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$74,942	$76,988	+$2,046	+2.73
Average yearly earnings,	365.57	381.13	+15.56	+4.26

HAIR WORK (ANIMAL AND HUMAN) — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	8	30	38	9	35	44
$5 but under $6,	3	58	61	4	54	58
$6 but under $7,	4	8	12	4	8	12
$7 but under $8,	4	1	5	5	5	10
$8 but under $9,	5	4	9	4	3	7
$9 but under $10,	16	-	16	10	1	11
$10 but under $12,	20	4	24	25	6	31
$12 but under $15,	33	-	33	31	-	31
$15 but under $20,	15	-	15	15	-	15
$20 and over,	2	-	2	3	-	3
Totals,	110	105	215	110	112	222

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	1	1	50 per cent,	4	4	100 per cent,	2	3
33 per cent,	1	1	75 per cent,	1	-	Totals,	10	10
40 per cent,	1	1						

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
153 days,	1	2	-	-	304 days,	1	138	1	132
207 days,	1	4	1	4	306 days,	5	43	7	53
250 days,	1	14	1	13	Totals,	10	205	10	202
300 days,	1	4	-	-					

HOSE: RUBBER, LINEN, ETC. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	4	4	=	=
Number of private firms,	1	1	=	=
Number of partners,	1	1	=	=
Males,	1	1	=	=
Number of corporations,	3	3	=	=
Number of stockholders,	101	97	—4	—3.96
Males,	84	79	—5	—5.95
Females,	12	13	+1	+8.33
Banks, trustees, etc.,	5	5	=	=
Aggregates: partners and stockholders,	102	98	—4	—3.92

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$895,000	$795,681	—$99,319	—11.10

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$576,502	$587,195	+$10,693	+1.85

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$781,697	$956,568	+$174,871	+22.37

HOSE: RUBBER, LINEN, ETC.—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	232	260	+28	+12.07
Smallest number,	197	216	+19	+9.64
Greatest number,	275	316	+41	+14.91
Excess of greatest over smallest number,	78	100	+22	+28.21
Averages.				
Average number employed in each establishment,	58	65	+7	+12.07
Smallest number,	49	54	+5	+10.20
Greatest number,	69	79	+10	+14.49
Excess of greatest over smallest number,	20	25	+5	+25.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	186	43	229	208	54	262
February,	217	48	265	215	56	271
March,	203	52	255	220	56	276
April,	170	48	218	214	53	267
May,	172	51	223	202	56	258
June,	173	47	220	199	53	252
July,	172	46	218	200	48	248
August,	169	47	216	193	39	232
September,	157	47	204	184	39	223
October,	176	47	223	194	40	234
November,	192	56	248	242	43	285
December,	214	55	269	256	53	309
During the entire year,*	10	16	26	-	-	-

* One establishment in 1891.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$100,144	$112,824	+$12,680	+12.66
Average yearly earnings,	451.66	433.94	+2.28	+0.53

HOSE: RUBBER, LINEN, ETC. — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	17	21	38	13	30	43
$5 but under $6,	9	12	21	16	19	35
$6 but under $7,	10	8	18	9	7	16
$7 but under $8,	10	6	16	13	5	18
$8 but under $9,	17	1	18	23	1	24
$9 but under $10,	31	5	36	39	3	42
$10 but under $12,	35	1	36	40	2	42
$12 but under $15,	42	1	43	40	1	41
$15 but under $20,	34	-	34	43	-	43
$20 and over,	9	-	9	10	-	10
Totals,	214	55	269	246	68	314

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	1	1	75 per cent,	1	2	100 per cent,	2	1
						Totals,	4	4

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
286 days,	-	-	1	23	306 days,	3	49	2	24
296 days,	-	-	1	213					
298 days,	1	183	-	-	Totals,	4	232	4	260

HOSIERY AND KNIT GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	40	40	=	=
Number of private firms,	28	26	—2	—7.14
Number of partners,	46	48	+2	+4.35
Males,	43	46	+3	+6.98
Females,	2	2	=	=
Special,	1	—	—1	—100.00
Number of corporations,	12	14	+2	+16.67
Number of stockholders,	953	1,016	+63	+6.61
Males,	435	459	+24	+5.52
Females,	290	317	+27	+9.31
Banks, trustees, etc.,	228	240	+12	+5.26
Aggregates: partners and stockholders,	999	1,064	+65	+6.51

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$4,083,778	$4,100,361	+$16,583	+0.41

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$3,223,419	$2,955,545	—$267,874	—8.31
Cotton, raw	188,687	164,954	—23,733	—12.58
Wool (not specified),	149,397	84,515	—64,882	—43.43
Yarn:				
Cotton,	1,426,225	1,039,001	—387,224	—27.15
Silk,	48,463	54,533	+6,070	+12.52
Woollen,	80,608	80,497	—111	—0.14
Worsted,	136,614	212,460	+75,846	+55.52
Not classified in detail,	1,193,425	1,319,585	+126,160	+10.57

HOSIERY AND KNIT GOODS—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Cotton, raw	100 pounds	18,422	20,123	+1,701	+9.23
Wool (not specified),	100 pounds	4,106	2,300	−1,806	−43.98
Yarn:					
Cotton,	100 pounds	67,459	49,892	−17,567	−26.04
Silk,	pounds	8,893	11,730	+2,837	+31.90
Woollen,	100 pounds	1,507	1,329	−178	−11.81
Worsted,	pounds	120,381	182,240	+61,859	+51.39

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Cotton, raw	100 pounds	$10.24	$8.20	−$2.04	−19.92
Wool (not specified),	100 pounds	36.39	36.75	+0.36	+0.99
Yarn:					
Cotton,	100 pounds	21.14	20.83	−0.31	−1.47
Silk,	pounds	5.45	4.65	−0.80	−14.68
Woollen,	100 pounds	53.49	60.57	+7.08	+13.24
Worsted,	pounds	1.13	1.17	+0.04	+3.54

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$5,396,472	$5,703,475	+$307,003	+5.69
Hosiery, cotton	1,449,428	1,663,826	+214,398	+14.79
Hosiery (not specified),	538,953	537,816	−1,137	−0.21
Jackets, cardigan	18,900	15,525	−3,375	−17.86
Mittens, silk	16,360	20,050	+3,690	+22.56
Mittens, woollen	20,632	18,533	−2,099	−10.17
Mittens, worsted	20,500	19,350	−1,150	−5.61
Not classified in detail,	3,331,699	3,428,375	+96,676	+2.90

HOSIERY AND KNIT GOODS—1891, 1892—Continued.

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Hosiery, cotton	dozen	2,235,579	2,251,180	+15,601	+0.70
Hosiery (not specified),	dozen	272,963	268,197	—4,766	—1.75
Jackets, cardigan	dozen	1,000	900	—100	—10.00
Mittens, silk	doz. pairs	2,735	3,136	+401	+14.66
Mittens, woollen	doz. pairs	11,700	12,238	+538	+4.60
Mittens, worsted	doz. pairs	9,866½	9,826	—40½	—0.41

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Hosiery, cotton	dozen	$0.65	$0.74	+$0.09	+13.85
Hosiery (not specified),	dozen	1.97	2.01	+0.04	+2.03
Jackets, cardigan	dozen	18.90	17.25	—1.65	—8.73
Mittens, silk	doz. pairs	5.98	6.39	+0.41	+6.86
Mittens, woollen	doz. pairs	1.76	1.51	—0.25	—14.20
Mittens, worsted	doz. pairs	2.08	1.97	—0.11	—5.29

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	5,116	4,528	—588	—11.49
Smallest number,	4,278	3,618	—660	—15.43
Greatest number,	5,752	5,526	—226	—3.93
Excess of greatest over smallest number,	1,474	1,908	+434	+29.44
Averages.				
Average number employed in each establishment,	128	113	—15	—11.72
Smallest number,	107	90	—17	—15.89
Greatest number,	144	138	—6	—4.17
Excess of greatest over smallest number,	37	48	+11	+29.73

HOSIERY AND KNIT GOODS—1891, 1892—Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	1,225	3,677	4,902	1,327	3,703	5,030
February,	1,299	3,833	5,132	1,315	3,595	4,910
March,	1,360	3,634	4,994	1,232	3,502	4,734
April,	1,340	3,974	5,314	1,223	3,338	4,561
May,	1,277	3,899	5,176	1,166	3,244	4,410
June,	1,295	3,738	5,033	1,131	3,121	4,252
July,	1,324	3,617	4,941	1,113	2,877	3,990
August,	1,277	3,599	4,876	1,091	2,902	3,993
September,	1,339	3,654	4,993	1,111	3,045	4,156
October,	1,331	3,911	5,242	1,207	3,418	4,625
November,	1,372	3,949	5,321	1,259	3,587	4,846
December,	1,323	3,888	5,211	1,223	3,590	4,813
During the entire year,*	19	74	93	13	57	70

* 5 establishments in 1891; 3 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$1,695,512	$1,572,036	−$123,476	−7.28
Average yearly earnings,	331.41	347.18	+15.77	+4.76

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	267	1,728	1,995	160	1,315	1,475
$5 but under $6,	114	940	1,054	132	808	940
$6 but under $7,	354	829	1,183	336	835	1,171
$7 but under $8,	148	509	657	148	589	737
$8 but under $9,	100	267	367	114	303	417
$9 but under $10,	145	188	333	135	151	286
$10 but under $12,	172	51	223	174	92	266
$12 but under $15,	113	7	120	140	28	168
$15 but under $20,	59	2	61	67	3	70
$20 and over,	24	-	24	32	1	33
Totals,	1,496	4,521	6,017	1,438	4,125	5,563

HOSIERY AND KNIT GOODS — 1891, 1892 — Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	1	1	60 per cent,	3	5	89 per cent,	1	-
20 per cent,	1	-	65 per cent,	1	2	90 per cent,	1	2
25 per cent,	1	-	67 per cent,	1	1	95 per cent,	1	1
33 per cent,	2	2	72 per cent,	1	-	98 per cent,	-	1
35 per cent,	1	1	75 per cent,	7	6	99 per cent,	1	-
40 per cent,	2	-	80 per cent,	2	6	100 per cent,	5	4
46 per cent,	-	1	84 per cent,	1	-			
50 per cent,	4	5	85 per cent,	-	2	Totals,	40	40
55 per cent,	2	-	86 per cent,	1	-			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
76 days,	1	1	-	-	280 days,	2	318	1	33
100 days,	1	1	1	1	283 days,	-	-	1	118
104 days,	-	-	1	8	288 days,	1	92	-	-
106 days,	1	5	-	-	290 days,	2	39	1	8
180 days,	-	-	1	1	291 days,	1	28	-	-
200 days,	1	3	-	-	292 days,	1	74	-	-
220 days,	1	18	-	-	294 days,	3	115	1	55
225 days,	-	-	1	9	295 days,	2	88	1	78
230 days,	-	-	1	3	296 days,	-	-	1	71
234 days,	-	-	1	4	300 days,	4	735	7	1,127
240 days,	1	9	-	-	303 days,	-	-	1	49
250 days,	1	2	3	35	304 days,	1	38	3	512
252 days,	1	23	-	-	305 days,	1	36	1	41
254 days,	1	127	-	-	306 days,	10	395	8	575
265 days,	1	24	-	-	307 days,	2	2,445	1	1,612
270 days,	-	-	1	30	310 days,	-	-	1	27
274 days,	-	-	1	92					
275 days,	-	-	1	39	Totals,	40	5,116	40	4,528

INK, MUCILAGE, AND PASTE. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	9	9	=	=
Number of private firms,	9	9	=	=
Number of partners,	14	16	+2	+14.29
Males,	14	16	+2	+14.29

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$605,733	$792,500	+$186,767	+30.83

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$385,971	$547,540	+$161,569	+41.86

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$731,411	$920,966	+$189,555	+25.92

INK, MUCILAGE, AND PASTE—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	150	146	—4	—2.67
Smallest number,	148	97	—51	—34.46
Greatest number,	154	171	+17	+11.04
Excess of greatest over smallest number,	6	74	+68	+1,133.33
Averages.				
Average number employed in each establishment,	17	16	—1	—5.88
Smallest number,	16	11	—5	—31.25
Greatest number,	17	19	+2	+11.76
Excess of greatest over smallest number,	1	8	+7	+700.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	99	49	148	71	27	98
February,	99	49	148	71	27	98
March,	100	51	151	109	59	168
April,	100	51	151	110	61	171
May,	100	51	151	110	61	171
June,	100	51	151	108	61	169
July,	99	49	148	107	55	162
August,	99	46	145	108	56	164
September,	101	50	151	109	60	169
October,	101	53	154	110	60	170
November,	100	51	151	73	28	101
December,	99	49	148	73	28	101
During the entire year,*	95	44	139	44	1	45

* 7 establishments in 1891; 5 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$83,334	$79,868	—$3,466	—4.16
Average yearly earnings,	555.56	547.04	—8.52	—1.53

INK, MUCILAGE, AND PASTE—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	2	34	36	3	35	38
$5 but under $6,	8	11	19	7	9	16
$6 but under $7,	4	5	9	3	5	8
$7 but under $8,	17	4	21	23	10	33
$8 but under $9,	6	-	6	6	-	6
$9 but under $10,	4	1	5	16	1	17
$10 but under $12,	9	-	9	17	-	17
$12 but under $15,	11	-	11	15	-	15
$15 but under $20,	29	1	30	16	1	17
$20 and over,	14	-	14	4	-	4
Totals,	104	56	160	110	61	171

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
12 per cent,	1	1	40 per cent,	1	-	75 per cent,	2	-
20 per cent,	1	-	50 per cent,	1	1	80 per cent,	1	-
25 per cent,	-	2	60 per cent,	1	1	100 per cent,	1	1
35 per cent,	-	1	70 per cent,	-	2	Totals,	9	9

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
230 days,	-	-	1	2	300 days,	-	-	1	2
232 days,	-	-	1	3	306 days,	6	139	5	137
239 days,	1	3	-	-	307 days,	-	-	1	2
240 days,	1	3	-	-	Totals,	9	150	9	146
280 days,	1	5	-	-					

IVORY, BONE, SHELL, AND HORN GOODS, ETC. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	12	12	=	=
Number of private firms,	12	12	=	=
Number of partners,	22	22	=	=
Males,	20	20	=	=
Females,	1	1	=	=
Special,	1	1	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$222,100	$232,183	+$10,083	+4.54

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$251,259	$260,888	+$9,629	+3.83

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$557,201	$558,665	+$1,464	+0.26

IVORY, BONE, SHELL, AND HORN GOODS, ETC. — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	479	538	+59	+12.32
Smallest number,	398	465	+67	+16.83
Greatest number,	536	630	+94	+17.54
Excess of greatest over smallest number,	138	165	+27	+19.57
Averages.				
Average number employed in each establishment,	40	45	+5	+12.50
Smallest number,	33	39	+6	+18.18
Greatest number,	45	53	+8	+17.78
Excess of greatest over smallest number,	12	14	+2	+16.67

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	409	66	475	479	74	553
February,	427	68	495	507	75	582
March,	427	77	504	521	80	601
April,	407	74	481	501	82	583
May,	389	73	462	464	76	540
June,	389	73	462	446	73	519
July,	380	73	453	448	74	522
August,	363	61	424	443	73	516
September,	380	64	444	437	64	501
October,	398	68	466	442	63	505
November,	415	65	480	430	62	492
December,	427	66	493	479	69	548
During the entire year,*	17	4	21	2	2	4

* 2 establishments in 1891; 1 establishment in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$218,073	$216,804	—$1,269	—0.58
Average yearly earnings,	455.27	402.98	—52.29	—11.49

IVORY, BONE, SHELL, AND HORN GOODS, ETC. — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	23	9	32	30	14	44
$5 but under $6,	31	17	48	38	28	66
$6 but under $7,	42	39	81	58	35	93
$7 but under $8,	36	6	42	72	3	75
$8 but under $9,	43	5	48	34	1	35
$9 but under $10,	80	-	80	69	2	71
$10 but under $12,	119	1	120	142	1	143
$12 but under $15,	60	-	60	78	-	78
$15 but under $20,	15	-	15	23	-	23
$20 and over,	2	-	2	-	-	-
Totals,	451	77	528	544	84	628

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	1	2	75 per cent,	5	3	90 per cent,	3	2
55 per cent,	-	1	80 per cent,	1	1	100 per cent,	-	1
62 per cent,	1	-	85 per cent,	1	1			
67 per cent,	-	1				Totals,	12	12

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
175 days,	-	-	1	10	301 days,	1	17	-	-
270 days,	-	-	1	106	303 days,	-	-	1	40
285 days,	1	81	-	-	305 days,	1	34	-	-
290 days,	1	44	-	-	306 days,	3	118	3	68
291 days,	-	-	1	28	307 days,	1	46	-	-
293 days,	1	38	-	-	309 days,	-	-	1	96
294 days,	-	-	1	75	312 days,	1	24	-	-
296 days,	-	-	1	36					
300 days,	2	77	2	79	Totals,	12	479	12	538

LEATHER. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	200	200	=	=
Number of private firms,	186	184	-2	—1.08
Number of partners,	295	297	+2	+0.68
Males,	287	291	+4	+1.39
Females,	1	-	—1	—100.00
Special,	6	5	—1	—16.67
Estates,	1	1	=	=
Number of corporations,	14	16	+2	+14.29
Number of stockholders,	175	274	+99	+56.57
Males,	129	222	+93	+72.09
Females,	46	52	+6	+13.04
Aggregates: partners and stockholders,	470	571	+101	+21.49

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$7,919,761	$9,024,408	+$1,104,647	+13.95

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$12,623,212	$13,786,829	+$1,163,617	+9.22
Bark, hemlock	373,314	375,211	+1,897	+0.51
Gambier,	47,604	49,470	+1,866	+3.92
Grease, curriers'	79,323	70,729	—8,594	—10.83
Hides, green	76,882	78,527	+1,645	+2.14
Hides, salted (green),	782,070	734,764	—47,306	—6.05
Hides (not specified),	1,214,397	1,199,131	—15,266	—1.26
Leather:				
Belt,	148,034	173,728	+25,694	+17.36
Harness,	21,986	28,625	+6,639	+30.20
Kip,	76,352	94,003	+17,651	+23.12
Rough,	1,057,683	1,232,306	+174,623	+16.51
Split (rough),	426,048	364,338	—61,710	—14.48

LEATHER — 1891, 1892 — Continued.

STOCK USED. AGGREGATE VALUES — Concluded.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Leather: — Con.				
Union,	$55,468	$102,199	+$46,731	+84.25
Leather (not specified),	478,858	520,505	+41,647	+8.70
Skins:				
Calf,	13,504	13,763	+259	+1.92
Calf (green),	187,500	416,000	+228,500	+121.87
Dongola,	207,000	217,474	+10,474	+5.06
Goat,	935,287	1,196,361	+261,074	+27.91
Goat (dry),	236,100	264,583	+28,483	+12.06
Goat (India tanned),	617,451	784,512	+167,061	+27.06
Sheep,	795,428	865,430	+70,002	+8.80
Sheep (morocco),	52,500	152,100	+99,600	+189.71
Sumac,	60,217	63,009	+2,792	+4.64
Not classified in detail,	4,690,206	4,790,061	+109,855	+2.35

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Bark, hemlock	cords	37,075¾	41,049½	+3,973¾	+10.72
Gambier,	100 pounds	3,396	3,871	+475	+13.99
Gambier,	bales	2,027	1,948	—79	—3.90
Grease, curriers'	100 pounds	13,327	13,490	+163	+1.22
Grease, curriers'	barrels	1,580	1,120	—460	—29.11
Hides:					
Green,		23,875	25,245	+1,370	+5.74
Salted (green),	100 pounds	71,978	83,447	+11,469	+15.93
Salted (green),		92,327	106,773	+14,446	+15.65
Hides (not specified),	100 pounds	13,927	13,509	—418	—3.00
Hides (not specified),		485,809	495,408	+9,599	+1.98
Leather:					
Belt,	100 pounds	4,836	5,626	+790	+16.34
Harness,	100 pounds	845	984	+139	+16.45
Kip,	sides	127,254	147,206	+19,952	+15.68
Rough,	100 pounds	7,327	8,319	+992	+13.54
Rough,	sides	446,028	595,732	+149,704	+33.56
Split (rough),	100 pounds	39,063	38,088	—975	—2.50
Union,	sides	17,226	34,180	+16,954	+98.42
Leather (not specified),	100 feet	3,768	4,559	+791	+20.99
Leather (not specified),	100 pounds	20,474	21,629	+1,155	+5.64
Leather (not specified),	sides	25,100	31,984	+6,884	+27.43
Skins:					
Calf,	dozen	1,646	1,642	—4	—0.24
Calf (green),	dozen	20,833⅓	43,333⅓	+22,500	+108.00

LEATHER — 1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Skins: — Con.					
Dongola,	dozen	21,000	22,892	+1,892	+9.01
Goat,	dozen	141,513¾	184,406	+42,892¼	+30.31
Goat (dry),	dozen	36,928	43,036	+6,108	+16.54
Goat (India tanned),	dozen	86,709¼	121,562¼	+34,853	+40.20
Sheep,	dozen	255,740	260,145	+4,405	+1.72
Sheep (morocco),	dozen	15,600	46,800	+31,200	+200.00
Sumac,	100 pounds	18,440	20,585	+2,145	+11.63

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Bark, hemlock	cords	$10.07	$9.14	—$0.93	—9.24
Gambier,	100 pounds	6.18	6.01	—0.17	—2.75
Gambier,	bales	13.13	13.46	+0.33	+2.51
Grease, curriers'	100 pounds	4.18	4.13	—0.05	—1.20
Grease, curriers'	barrels	14.93	13.43	—1.55	—10.35
Hides:					
Green,	. .	3.22	3.11	—0.11	—3.42
Salted (green),	100 pounds	6.39	5.14	—1.25	—19.56
Salted (green),	. .	3.49	2.87	—0.62	—17.77
Hides (not specified),	100 pounds	6.08	5.05	—1.03	—16.94
Hides (not specified),	. .	2.33	2.28	—0.05	—2.15
Leather:					
Belt,	100 pounds	30.61	30.88	+0.27	+0.88
Harness,	100 pounds	26.02	29.09	+3.07	+11.80
Kip,	sides	0.60	0.64	+0.04	+6.67
Rough,	100 pounds	14.67	13.59	—1.08	—7.36
Rough,	sides	2.13	1.88	—0.25	—11.74
Split (rough),	100 pounds	10.91	9.57	—1.34	—12.28
Union,	sides	3.22	2.99	—0.23	—7.14
Leather (not specified),	100 feet	15.89	15.84	—0.05	—0.31
Leather (not specified),	100 pounds	17.83	17.48	—0.35	—1.96
Leather (not specified),	sides	2.15	2.20	+0.05	+2.33
Skins:					
Calf,	dozen	8.20	8.38	+0.18	+2.20
Calf (green),	dozen	9.00	9.60	+0.60	+6.67
Dongola,	dozen	9.86	9.50	—0.36	—3.65
Goat,	dozen	6.61	6.49	—0.12	—1.82
Goat (dry),	dozen	6.39	6.15	—0.24	—3.76
Goat (India tanned),	dozen	7.12	6.45	—0.67	—9.41
Sheep,	dozen	3.11	3.33	+0.22	+7.07
Sheep (morocco),	dozen	3.37	3.25	—0.12	—3.56
Sumac,	100 pounds	3.27	3.06	—0.21	—6.42

LEATHER — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$18,348,246	$20,355,090	+$2,006,844	+10.94
Belting, leather	143,495	138,819	−4,676	−3.26
Collars, horse	33,850	39,150	+5,300	+15.66
Harnesses,	203,180	221,637	+18,457	+9.08
Leather:				
Belt,	213,222	266,160	+52,938	+24.83
Buff,	446,393	419,836	−26,557	−5.95
Card,	69,702	56,581	−13,121	−18.82
Dongola,	396,250	420,813	+24,563	+6.20
Dongola (imitation),	110,431	133,000	+22,569	+20.44
Glove,	97,558	109,704	+12,146	+12.45
Glove-grain,	105,000	95,000	−10,000	−9.52
Goatskin,	840,741	1,151,260	+310,519	+36.93
Grain,	1,310,522	1,403,243	+92,721	+7.08
Kid,	811,370	894,830	+83,460	+10.29
Kip,	311,702	343,418	+31,716	+10.18
Pebbled-goat,	79,950	69,400	−10,550	−13.20
Sheepskin,	1,375,227	1,555,665	+180,438	+13.12
Sole,	307,621	298,855	−8,766	−2.85
Split,	1,454,557	1,429,122	−25,435	−1.75
Wax,	50,408	62,044	+11,636	+23.08
Leather (not specified),	1,532,606	1,513,854	−18,752	−1.22
Leather-board,	233,682	316,441	+82,759	+35.42
Not classified in detail,	8,220,779	9,416,258	+1,195,479	+14.54

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Belting, leather	100 feet	5,710	5,598	−112	−1.96
Collars, horse		11,060	13,306	+2,246	+20.31
Harnesses,	sets	11,032	12,585	+1,553	+14.08
Leather:					
Belt,	100 pounds	3,524	4,619	+1,095	+31.07
Buff,	sides	189,050	187,164	−1,886	−1.00
Card,	sides	20,584	17,103	−3,481	−16.91
Dongola,	dozen	40,500	41,892	+1,392	+3.44
Dongola (imitation),	100 feet	10,039	12,469	+2,430	+24.21
Glove,	100 feet	2,018	2,538	+520	+25.77
Glove,	sides	40,000	61,500	+21,500	+53.75
Glove-grain,	100 feet	11,500	10,055	−1,445	−12.57
Goatskin,	100 feet	9,614	8,027	−1,587	−16.51
Goatskin,	dozen	72,044	115,495	+43,451	+60.31
Grain,	100 feet	91,183	103,272	+12,089	+13.26
Grain,	sides	200,973	287,234	+86,261	+42.92

LEATHER — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE QUANTITIES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Leather: — Con.					
Kid,	dozen	77,137	93,120	+15,983	+20.72
Kip,	100 feet	12,876	15,826	+2,950	+22.91
Kip,	sides	177,250	192,206	+14,956	+8.44
Pebbled-goat,	dozen	8,550	7,250	—1,300	—15.20
Sheepskin,	dozen	264,299	299,923	+35,624	+13.48
Sole,	sides	102,813	101,183	—1,630	—1.59
Split,	100 pounds	86,193	87,559	+1,366	+1.58
Wax,	sides	42,137	44,942	+2,805	+6.66
Leather (not specified),	100 feet	22,333	17,955	—4,378	—19.60
Leather (not specified),	sides	745,514	790,787	+45,273	+6.07
Leather-board,	tons	2,768	3,762	+994	+35.91

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Belting, leather	100 feet	$25.13	$24.80	—$0.33	—1.31
Collars, horse	. .	3.06	2.94	—0.12	—3.92
Harnesses,	sets	18.42	17.61	—0.81	—4.40
Leather:					
Belt,	100 pounds	60.51	57.62	—2.89	—4.78
Buff,	sides	2.36	2.24	—0.12	—5.08
Card,	sides	3.39	3.31	—0.08	—2.36
Dongola,	dozen	9.78	10.05	+0.27	+2.76
Dongola (imitation),	100 feet	11.00	10.67	—0.33	—3.00
Glove,	100 feet	8.70	8.09	—0.61	—7.01
Glove,	sides	2.00	1.45	—0.55	—27.50
Glove-grain,	100 feet	9.13	9.45	+0.32	+3.50
Goatskin,	100 feet	14.74	13.48	—1.26	—8.55
Goatskin,	dozen	9.70	9.03	—0.67	—6.91
Grain,	100 feet	9.34	8.27	—1.07	—11.46
Grain,	sides	2.28	1.91	—0.37	—16.23
Kid,	dozen	10.52	9.61	—0.91	—8.65
Kip,	100 feet	9.99	10.00	+0.01	+0.10
Kip,	sides	1.03	0.96	—0.07	—6.80
Pebbled-goat,	dozen	9.35	9.57	+0.22	+2.35
Sheepskin,	dozen	5.20	5.19	—0.01	—0.19
Sole,	sides	2.99	2.95	—0.04	—1.34
Split,	100 pounds	16.88	16.32	—0.56	—3.32
Wax,	sides	1.20	1.38	+0.18	+15.00
Leather (not specified),	100 feet	9.02	8.66	—0.36	—3.99
Leather (not specified),	sides	1.79	1.72	—0.07	—3.91
Leather-board,	tons	84.42	84.12	—0.30	—0.36

LEATHER — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	6,007	6,753	+746	+12.42
Smallest number,	4,818	5,631	+813	+16.87
Greatest number,	7,187	7,934	+747	+10.39
Excess of greatest over smallest number,	2,369	2,303	—66	—2.79
Averages.				
Average number employed in each establishment,	30	34	+4	+13.33
Smallest number,	24	28	+4	+16.67
Greatest number,	36	40	+4	+11.11
Excess of greatest over smallest number,	12	12	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	5,738	212	5,950	6,168	235	6,403
February,	5,963	225	6,188	6,348	226	6,574
March,	6,092	218	6,310	6,606	235	6,841
April,	6,013	216	6,229	6,613	248	6,861
May,	5,855	217	6,072	6,701	248	6,949
June,	5,794	216	6,010	6,657	243	6,900
July,	5,634	219	5,853	6,528	257	6,785
August,	5,643	215	5,858	6,434	262	6,696
September,	5,507	206	5,713	6,346	253	6,599
October,	5,665	220	5,885	6,432	245	6,677
November,	5,715	212	5,927	6,578	258	6,836
December,	5,770	215	5,985	6,672	245	6,917
During the entire year,*	815	9	824	683	7	690

* 54 establishments in 1891; 53 establishments in 1892.

LEATHER—1891, 1892—Continued.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages, ...	$3,045,645	$3,411,038	+$365,393	+12.00
Average yearly earnings, ...	507.02	505.11	−1.91	−0.38

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5, ...	161	86	247	167	95	262
$5 but under $6, . . .	151	62	213	161	55	216
$6 but under $7, . . .	346	32	378	382	54	436
$7 but under $8, . . .	506	35	541	532	32	564
$8 but under $9, . . .	523	13	536	755	17	772
$9 but under $10, . . .	1,377	14	1,391	1,523	12	1,535
$10 but under $12, . . .	1,704	3	1,707	1,972	3	1,975
$12 but under $15, . . .	1,307	–	1,307	1,290	–	1,290
$15 but under $20, . . .	544	–	544	637	–	637
$20 and over, ...	160	–	160	186	–	186
Totals, ...	6,779	245	7,024	7,605	268	7,873

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent, .	1	1	50 per cent, .	34	29	84 per cent, .	1	–
13 per cent, .	–	1	55 per cent, .	2	1	85 per cent, .	6	8
15 per cent, .	1	–	58 per cent, .	1	–	86 per cent, .	–	1
18 per cent, .	2	–	60 per cent, .	8	9	87 per cent, .	–	2
20 per cent, .	3	5	65 per cent, .	2	3	88 per cent, .	1	1
25 per cent, .	12	8	66 per cent, .	2	1	90 per cent, .	11	9
27 per cent, .	–	1	67 per cent, .	9	6	92 per cent, .	–	2
30 per cent, .	3	5	70 per cent, .	5	6	95 per cent, .	4	2
33 per cent, .	–	2	73 per cent, .	–	1	96 per cent, .	1	–
35 per cent, .	2	2	75 per cent, .	38	36	99 per cent, .	1	–
40 per cent, .	4	6	78 per cent, .	3	2	100 per cent, .	31	36
45 per cent, .	3	1	80 per cent, .	8	12			
46 per cent, .	1	–	83 per cent, .	–	1	Totals, .	200	200

LEATHER — 1891, 1892 — Concluded.

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
75 days, .	-	-	1	4	275 days, .	2	48	5	324
110 days, .	1	9	-	-	276 days, .	1	14	-	-
122 days, .	-	-	1	3	278 days, .	2	87	1	12
130 days, .	-	-	1	11	279 days, .	2	226	-	-
147 days, .	1	4	-	-	280 days, .	3	29	2	87
148 days, .	-	-	1	38	281 days, .	-	-	1	5
150 days, .	2	10	1	3	282 days, .	-	-	1	23
152 days, .	1	2	-	-	283 days, .	2	58	-	-
154 days, .	-	-	1	11	284 days, .	2	112	-	-
160 days, .	-	-	1	45	285 days, .	1	28	3	99
163 days, .	1	11	-	-	286 days, .	2	35	1	7
180 days, .	1	7	1	5	288 days, .	2	22	3	80
182 days, .	1	47	-	-	290 days, .	6	145	4	61
200 days, .	1	4	2	9	291 days, .	-	-	3	190
202 days, .	-	-	1	5	293 days, .	-	-	2	77
204 days, .	1	1	-	-	294 days, .	3	136	-	-
206 days, .	1	10	-	-	295 days, .	1	26	2	105
215 days, .	-	-	1	38	296 days, .	1	93	1	26
220 days, .	3	51	-	-	297 days, .	-	-	1	1
224 days, .	1	8	-	-	298 days, .	-	-	1	29
228 days, .	1	68	-	-	299 days, .	1	22	-	-
230 days, .	2	10	2	42	300 days, .	32	1,124	34	1,377
231 days, .	1	29	-	-	301 days, .	2	84	1	12
234 days, .	-	-	2	58	302 days, .	2	182	3	119
245 days, .	1	34	-	-	303 days, .	-	-	3	157
247 days, .	-	-	1	22	304 days, .	-	-	1	107
250 days, .	1	166	1	27	305 days, .	6	139	3	502
253 days, .	1	87	-	-	306 days, .	85	2,015	84	2,036
257 days, .	1	46	-	-	307 days, .	4	191	2	96
260 days, .	3	50	1	104	308 days, .	1	1	3	153
264 days, .	1	3	-	-	309 days, .	2	50	-	-
265 days, .	-	-	2	15	310 days, .	1	51	6	338
266 days, .	-	-	1	7	312 days, .	-	-	1	48
269 days, .	-	-	1	4	313 days, .	3	108	2	10
270 days, .	3	123	1	25					
273 days, .	-	-	1	1	Totals, .	200	6,007	200	6,753
274 days, .	1	201	1	195					

LIQUORS AND BEVERAGES (NOT SPIRITUOUS). 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	21	21	=	=
Number of private firms,	20	20	=	=
Number of partners,	25	25	=	=
Males,	24	23	—1	—4.17
Females,	1	1	=	=
Special,	—	1	+1	—
Number of corporations,	1	1	=	=
Number of stockholders,	26	32	+6	+23.08
Males,	19	24	+5	+26.32
Females,	7	8	+1	+14.29
Aggregates: partners and stockholders,	51	57	+6	+11.76

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$325,000	$325,205	+$205	+0.06

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$379,582	$387,599	+$8,017	+2.11

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$692,224	$772,068	+$79,844	+11.53

LIQUORS AND BEVERAGES (NOT SPIRITUOUS) — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	234	251	+17	+7.26
Smallest number,	187	194	+7	+3.74
Greatest number,	306	346	+40	+13.07
Excess of greatest over smallest number,	119	152	+33	+27.73
Averages.				
Average number employed in each establishment,	11	12	+1	+9.09
Smallest number,	9	9	*=	*=
Greatest number,	15	16	+1	+6.67
Excess of greatest over smallest number,	6	7	+1	+16.67

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	188	-	188	198	-	198
February,	189	-	189	199	-	199
March,	193	-	193	201	-	201
April,	204	-	204	215	-	215
May,	234	-	234	237	-	237
June,	275	-	275	303	-	303
July,	294	-	294	330	2	332
August,	283	-	283	327	2	329
September,	257	-	257	277	-	277
October,	237	-	237	257	-	257
November,	220	-	220	239	-	239
December,	198	-	198	211	-	211
During the entire year,*	8	-	8	14	-	14

* 3 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$118,550	$140,945	+$22,395	+18.89
Average yearly earnings,	506.62	561.53	+54.91	+10.84

LIQUORS AND BEVERAGES (NOT SPIRITUOUS)—1891, 1892 —Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	-	-	-	6	-	6
$5 but under $6,	8	-	8	5	2	7
$6 but under $7,	12	-	12	15	-	15
$7 but under $8,	5	-	5	8	-	8
$8 but under $9,	44	-	44	29	-	29
$9 but under $10,	58	-	58	40	-	40
$10 but under $12,	37	-	37	38	-	38
$12 but under $15,	85	-	85	80	-	80
$15 but under $20,	37	-	37	38	-	38
$20 and over,	8	-	8	22	-	22
Totals,	294	-	294	281	2	283

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
20 per cent,	-	1	50 per cent,	11	9	75 per cent,	4	4
30 per cent,	-	1	60 per cent,	1	-	95 per cent,	-	1
35 per cent,	1	-	67 per cent,	-	1	100 per cent,	3	1
40 per cent,	-	1	70 per cent,	1	2	Totals,	21	21

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
153 days,	-	-	1	3	306 days,	14	168	12	173
200 days,	2	3	2	3	308 days,	2	48	2	49
300 days,	-	-	2	10	312 days,	-	-	1	8
304 days,	2	9	1	5					
305 days,	1	6	-	-	Totals,	21	234	21	251

LIQUORS: MALT, DISTILLED, AND FERMENTED. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	53	53	=	=
Number of private firms,	45	44	−1	−2.22
Number of partners,	75	78	+3	+4.00
Males,	73	72	−1	−1.37
Females,	2	6	+4	+200.00
Number of corporations,	8	9	+1	+12.50
Number of stockholders,	69	78	+9	+13.04
Males,	64	65	+1	+1.56
Females,	1	8	+7	+700.00
Banks, trustees, etc.,	-	1	+1	—
Syndicates,	4	4	=	=
Aggregates: partners and stockholders,	144	156	+12	+8.33

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$6,025,024	$6,867,084	+$842,060	+13.98

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount of stock used,	$3,403,256	$3,242,331	−$160,925	−4.73
Apples,	62,414	55,743	−6,671	−10 69
Hops,	349,469	336,242	−13,227	−3.78
Malt,	1,298,538	1,263,390	−35,148	−2.71
Molasses,	164,781	140,254	−24,527	−14.88
Rice,	76,483	63,817	−12,666	−16.56
Sugar,	105,517	108,203	+2,686	+2.55
Not classified in detail,	1,346,054	1,274,682	−71,372	−5.30

LIQUORS: MALT, DISTILLED, AND FERMENTED—1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Apples,	100 bushels	3,574	3,486	—88	—2.46
Hops,	100 pounds	14,100	14,076	—24	—0.17
Malt,	100 bushels	13,896	14,653	+757	+5.45
Molasses,	100 gallons	13,314	11,466	—1,848	—13.88
Rice,	100 pounds	30,533	24,710	—5,823	—19.07
Sugar,	100 pounds	38,486	44,276	+5,790	+15.04

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Apples,	100 bushels	$17.46	$15.09	—$1.47	—8.42
Hops,	100 pounds	24.79	23.89	—0.90	—3.63
Malt,	100 bushels	93.45	86.22	—7.23	—7.74
Molasses,	100 gallons	12.38	12.23	—0.15	—1.21
Rice,	100 pounds	2.50	2.58	+0.08	+3.20
Sugar,	100 pounds	2.74	2.44	—0.30	—10.95

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$7,709,278	$8,001,034	+$291,756	+3.78
Ale,	1,267,985	1,267,017	—968	—0.08
Cider,	130,426	130,723	+297	+0.23
Lager beer,	2,930,951	2,910,956	—19,995	—0.68
Porter,	40,175	39,714	—461	—1.15
Rum,	1,123,315	1,080,420	—42,895	—3.82
Not classified in detail,	2,216,426	2,572,204	+355,778	+16.05

LIQUORS: MALT, DISTILLED, AND FERMENTED—1891, 1892 —Continued.

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Ale,	barrels	234,353	237,289½	+2,936½	+1.25
Cider,	100 gallons	12,841	12,968	+127	+0.99
Lager beer,	barrels	467,887½	489,804¾	+21,917¼	+4.68
Porter,	barrels	7,295	7,145	−150	−2.06
Rum,	gallons	945,171	872,067	−73,104	−7.73

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Ale,	barrels	$5.41	$5.34	−$0.07	−1.29
Cider,	100 gallons	10.16	10.08	−0.08	−0.79
Lager beer,	barrels	6.26	5.94	−0.32	−5.11
Porter,	barrels	5.51	5.56	+0.05	+0.91
Rum,	gallons	1.19	1.24	+0.05	+4.20

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	1,075	1,131	+56	+5.21
Smallest number,	940	989	+49	+5.21
Greatest number,	1,267	1,238	−29	−2.29
Excess of greatest over smallest number,	327	249	−78	−23.85
Averages.				
Average number employed in each establishment,	20	21	+1	+5.00
Smallest number,	18	19	+1	+5.56
Greatest number,	24	23	−1	−4.17
Excess of greatest over smallest number,	6	4	−2	−33.33

LIQUORS: MALT, DISTILLED, AND FERMENTED — 1891, 1892 — Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	956	2	958	1,004	1	1,005
February,	960	2	962	1,006	1	1,007
March,	972	2	974	1,033	1	1,034
April,	1,016	2	1,018	1,057	1	1,058
May,	1,046	3	1,049	1,102	1	1,103
June,	1,091	3	1,094	1,148	3	1,151
July,	1,141	3	1,144	1,216	3	1,219
August,	1,145	2	1,147	1,221	3	1,224
September,	1,133	2	1,135	1,200	3	1,203
October,	1,171	2	1,173	1,206	1	1,207
November,	1,132	2	1,134	1,187	1	1,188
December,	1,060	2	1,062	1,131	1	1,132
During the entire year,*	159	-	159	159	-	159

* 10 establishments in 1891; 11 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$728,553	$793,782	+$65,229	+8.95
Average yearly earnings,	677.72	701.84	+24.12	+3.56

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	6	-	6	5	-	5
$5 but under $6,	3	-	3	6	-	6
$6 but under $7,	9	-	9	20	-	20
$7 but under $8,	13	2	15	19	-	19
$8 but under $9,	38	-	38	31	-	31
$9 but under $10,	122	1	123	137	2	139
$10 but under $12,	152	-	152	177	1	178
$12 but under $15,	556	-	556	547	-	547
$15 but under $20,	302	-	302	315	-	315
$20 and over,	43	-	43	53	-	53
Totals,	1,244	3	1,247	1,310	3	1,313

LIQUORS: MALT, DISTILLED, AND FERMENTED—1891, 1892 —Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
12 per cent, .	-	1	60 per cent, .	4	3	81 per cent, .	-	1
15 per cent, .	3	1	61 per cent, .	1	-	83 per cent, .	-	1
16 per cent, .	-	1	65 per cent, .	1	3	85 per cent, .	-	1
20 per cent, .	-	1	67 per cent, .	1	1	89 per cent, .	1	-
25 per cent, .	7	6	70 per cent, .	1	1	90 per cent, .	2	2
32 per cent, .	1	-	71 per cent, .	1	-	95 per cent, .	1	1
33 per cent, .	2	1	73 per cent, .	1	-	100 per cent, .	4	7
35 per cent, .	-	1	74 per cent, .	1	-			
40 per cent, .	-	2	75 per cent, .	7	7	Totals, .	53	53
50 per cent, .	11	9	80 per cent, .	3	2			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
25 days, .	1	1	-	-	273 days, .	1	5	-	-
30 days, .	1	1	-	-	280 days, .	-	-	1	5
38 days, .	1	11	-	-	288 days, .	1	7	-	-
45 days, .	-	-	1	1	290 days, .	1	7	-	-
50 days, .	1	1	-	-	294 days, .	-	-	1	7
52 days, .	1	1	-	-	296 days, .	1	2	1	2
60 days, .	-	-	4	4	299 days, .	-	-	1	2
78 days, .	1	1	1	1	300 days, .	3	40	3	66
80 days, .	1	1	1	1	303 days, .	2	56	-	-
82 days, .	-	-	1	11	304 days, .	2	97	-	-
90 days, .	1	1	-	-	305 days, .	1	22	-	-
100 days, .	2	3	1	2	306 days, .	22	595	23	728
108 days, .	1	1	-	-	309 days, .	1	60	1	32
110 days, .	-	-	1	1	310 days, .	1	20	2	82
183 days, .	-	-	1	3	312 days, .	2	72	2	59
200 days, .	-	-	1	2	313 days, .	3	68	3	109
225 days, .	1	2	1	6					
241 days, .	-	-	1	4	Totals, .	53	1,075	53	1,131
260 days, .	-	-	1	3					

LUMBER. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	26	26	=	=
Number of private firms,	24	24	=	=
Number of partners,	36	35	—1	—2.78
Males,	35	34	—1	—2.86
Females,	1	1	=	=
Number of corporations,	2	2	=	=
Number of stockholders,	41	51	+10	+24.39
Males,	21	27	+6	+28.57
Females,	17	21	+4	+23.53
Banks, trustees, etc.,	3	3	=	=
Aggregates: partners and stockholders,	77	86	+9	+11.69

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$2,834,386	$2,587,120	—$247,266	—8.72

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$1,649,745	$1,788,870	+$139,125	+8.43

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$2,758,204	$3,161,146	+$402,942	+14.61

LUMBER — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	888	940	+52	+5.86
Smallest number,	656	799	+143	+21.80
Greatest number,	1,129	1,063	—66	—5.85
Excess of greatest over smallest number,	473	264	—209	—44.19
Averages.				
Average number employed in each establishment,	34	36	+2	+5.88
Smallest number,	25	31	+6	+24.00
Greatest number,	43	41	—2	—4.65
Excess of greatest over smallest number,	18	10	—8	—44.44

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	733	26	759	913	12	925
February,	738	26	764	880	12	892
March,	817	27	844	901	10	911
April,	881	26	907	912	11	923
May,	878	11	889	955	12	967
June,	869	11	880	928	12	940
July,	905	12	917	929	12	941
August,	878	12	890	914	12	926
September,	905	12	917	947	12	959
October,	945	11	956	930	12	942
November,	1,024	12	1,036	953	12	965
December,	872	12	884	972	12	984
During the entire year,*	27	-	27	19	-	19

* 3 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$429,436	$437,656	+$8,220	+1.91
Average yearly earnings,	483.60	465.59	—18.01	—3.72

LUMBER — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	16	2	18	13	-	13
$5 but under $6,	5	19	24	7	-	7
$6 but under $7,	15	7	22	14	10	24
$7 but under $8,	70	-	70	58	1	59
$8 but under $9,	56	-	56	111	-	111
$9 but under $10,	266	2	268	272	1	273
$10 but under $12,	210	-	210	177	-	177
$12 but under $15,	162	-	162	242	-	242
$15 but under $20,	100	-	100	104	-	104
$20 and over,	21	-	21	21	-	21
Totals,	921	30	951	1,019	12	1,031

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
6 per cent,	1	-	65 per cent,	-	1	90 per cent,	-	1
25 per cent,	-	1	75 per cent,	7	4	95 per cent,	-	1
33 per cent,	-	1	80 per cent,	4	4	98 per cent,	-	1
40 per cent,	1	-	83 per cent,	-	1	100 per cent,	5	2
50 per cent,	5	5	85 per cent,	1	2			
60 per cent,	1	2	88 per cent,	1	-	Totals,	26	26

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
104 days,	1	1	1	-	288 days,	-	-	1	7
160 days,	1	5	-	-	294 days,	1	26	-	-
185 days,	-	-	1	8	299 days,	-	-	1	47
200 days,	1	1	2	21	300 days,	2	13	7	174
226 days,	-	-	1	1	301 days,	1	49	1	283
230 days,	1	227	-	-	303 days,	-	-	1	47
247 days,	1	98	-	-	304 days,	-	-	1	34
250 days,	2	12	-	-	305 days,	3	80	3	170
259 days,	1	16	-	-	306 days,	6	133	2	55
270 days,	-	-	1	10	307 days,	1	96	-	-
274 days,	-	-	1	40	310 days,	2	41	1	8
278 days,	1	39	-	-	313 days,	-	-	1	35
286 days,	1	51	-	-	Totals,	26	888	26	940

MACHINES AND MACHINERY. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	324	324	=	=
Number of private firms,	243	239	—4	—1.65
Number of partners,	367	360	—7	—1.91
Males,	349	344	—5	—1.43
Females,	11	11	=	=
Special,	6	3	—3	—50.00
Estates,	1	2	+1	+100.00
Number of corporations,	81	85	+4	+4.94
Number of stockholders,	2,089	2,371	+282	+13.50
Males,	1,485	1,666	+181	+12.19
Females,	453	539	+86	+18.98
Banks, trustees, etc.,	151	166	+15	+9.93
Aggregates: partners and stockholders,	2,456	2,731	+275	+11.20

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$25,353,690	$26,467,456	+$1,113,766	+4.39

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$9,673,407	$10,195,923	+$522,516	+5.40
Castings:				
Brass,	46,433	51,788	+5,355	+11.53
Composition,	24,353	24,381	+28	+0.11
Iron,	299,323	286,234	—13,089	—4.37
Castings (not specified),	41,597	40,841	—756	—1.82
Iron:				
Bar,	56,217	71,164	+14,947	+26.59
Cast,	365,982	376,297	+10,315	+2.82
Pig,	536,185	518,446	—17,739	—3.31
Wrought,	212,534	192,242	—20,292	—9.55
Iron (not specified),	303,891	248,046	—55,845	—18.38
Lumber, dressed	209,286	229,858	+20,572	+9.83
Steel, plate	41,197	41,446	+249	+0.60
Steel (not specified),	177,944	212,491	+34,547	+19.41
Not classified in detail,	7,358,465	7,902,689	+544,224	+7.40

MACHINES AND MACHINERY — 1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Castings:					
Brass,	100 pounds	2,485	2,841	+356	+14.33
Composition,	100 pounds	1,232	1,179	−53	−4.30
Iron,	tons	5,674½	5,456¾	−217¾	−3.84
Castings (not specified),	100 pounds	16,800	16,580	−220	−1.31
Iron:					
Bar,	tons	1,258¾	1,580	+321¼	+25.52
Cast,	tons	5,895¼	6,286¾	+391½	+6.64
Pig,	tons	28,847	29,229	+382	+1.32
Wrought,	tons	2,700	2,672¾	−27¼	−1.01
Iron (not specified),	tons	9,823	8,318⅜	−1,504⅝	−15.32
Lumber, dressed	M feet	6,729	7,798	+1,069	+15.89
Steel, plate	100 pounds	14,135	15,749	+1,614	+11.42
Steel (not specified),	100 pounds	41,620	57,828	+16,208	+38.94

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Castings:					
Brass,	100 pounds	$18.69	$18.23	−$0.46	−2.46
Composition,	100 pounds	19.77	20.68	+0.91	+4.60
Iron,	tons	52.75	52.46	−0.29	−0.55
Castings (not specified),	100 pounds	2.48	2.46	−0.02	−0.81
Iron:					
Bar,	tons	44.66	45.04	+0.38	+0.85
Cast,	tons	62.08	59.86	−2.22	−3.58
Pig,	tons	18.59	17.74	−0.85	−4.57
Wrought,	tons	78.72	71.93	−6.79	−8.63
Iron (not specified),	tons	30.94	29.82	−1.12	−3.62
Lumber, dressed	M feet	31.10	29.48	−1.62	−5.21
Steel, plate	100 pounds	2.91	2.63	−0.28	−9.62
Steel (not specified),	100 pounds	4.28	3.67	−0.61	−14.25

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$25,794,797	$26,867,581	+$1,072,784	+4.16
Bobbins,	55,000	88,600	+33,600	+61.09
Boilers, steam	293,657	302,244	+8,587	+2.92
Dryers,	13,800	23,100	+9,300	+67.39
Engines, paper	97,662	100,062	+2,400	+2.46

MACHINES AND MACHINERY—1891, 1892—Continued.

GOODS MADE. AGGREGATE VALUES—Concluded.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Engines, steam	$252,740	$223,693	—$29,047	—11.49
Grinders,	17,974	13,434	—4,540	—25.26
Harnesses, loom	122,743	116,776	—5,967	—4.86
Lathes, engine	326,532	299,275	—27,257	—8.35
Lathes (not specified),	233,493	216,201	—17,292	—7.41
Machines:				
Beating-out,	15,000	15,960	+960	+6.40
Cutting (paper),	56,110	57,110	+1,000	+1.78
Drilling,	14,000	12,650	—1,350	—9.64
Metal-working,	161,319	190,106	+28,787	+17.84
Milling,	104,019	91,396	—12,623	—12.14
Mortising,	9,578	20,844	+11,266	+117.62
Moulding,	9,716	12,000	+2,284	+23.51
Paper,	187,100	246,200	+59,100	+31.59
Twisting,	29,182	36,345	+7,163	+24.55
Woodworking,	18,036	19,842	+1,806	+10.01
Meters, water	172,582	189,141	+16,559	+9.59
Planers,	101,982	93,787	—8,195	—8.04
Presses, printing	220,391	197,617	—22,774	—10.33
Pulleys,	17,639	19,777	+2,138	+12.12
Pumps, steam	45,096	34,590	—10,506	—23.30
Spindles,	34,000	58,700	+24,700	+72.65
Spools,	28,000	40,350	+12,350	+44.11
Tanks, iron	44,370	51,360	+6,990	+15.75
Valves, steam	82,843	96,746	+13,903	+16.78
Not classified in detail,	23,030,233	23,999,675	+969,442	+4.21

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Bobbins,	thousand	7,100	8,545	+1,445	+20.35
Boilers, steam	. .	745	720	—25	—3.36
Dryers,	. .	26	43	+17	+65.38
Engines, paper	. .	101	107	+6	+5.94
Engines, steam	. .	169	142	—27	—15.98
Grinders,	. .	380	291	—89	—23.42
Harnesses, loom	100 beers	61,682	57,826	—3,856	—6.25
Lathes, engine	. .	1,056	1,055	—1	—0.09
Lathes (not specified),	. .	706	726	+20	+2.83
Machines:					
Beating-out,	. .	57	67	+10	+17.54
Cutting (paper),	. .	70	90	+20	+28.57

MACHINES AND MACHINERY — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE QUANTITIES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Machines: — Con.					
Drilling,		1,300	1,300	*=	*=
Metal-working,		223	282	+59	+26.46
Milling,		215	217	+2	+0.93
Mortising,		81	207	+126	+155.56
Moulding,		67	72	+5	+7.46
Paper,		10	12	+2	+20.00
Twisting,		28	29	+1	+3.57
Woodworking,		160	184	+24	+15.00
Meters, water		7,361	7,632	+271	+3.68
Planers,		151	161	+10	+6.62
Presses, printing		107	108	+1	+0.93
Pulleys,		3,503	3,669	+166	+4.74
Pumps, steam		373	288	—85	—22.79
Spindles,	hundred	2,450	5,405	+2,955	+120.61
Spools,	hundred	5,500	6,870	+1,370	+24.91
Tanks, iron		289	477	+188	+65.05
Valves, steam		3,083	3,646	+563	+18.26

* No change in quantities.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Bobbins,	thousand	$7.75	$10.37	+$2.62	+33.81
Boilers, steam		394.17	419.78	+25.61	+6.50
Dryers,		530.77	537.21	+6.44	+1.21
Engines, paper		966.95	935.16	—31.79	—3.29
Engines, steam		1,495.50	1,575.30	+79.80	+5.34
Grinders,		47.30	46.16	—1.14	—2.41
Harnesses, loom	100 beers	1.99	2.02	+0.03	+1.51
Lathes, engine		309.22	283.67	—25.55	—8.26
Lathes (not specified),		330.73	297.80	—32.93	—9.96
Machines:					
Beating-out,		263.16	238.21	—24.95	—9.48
Cutting (paper),		801.57	634.56	—167.01	—20.84
Drilling,		10.77	9.73	—1.04	—9.66
Metal-working,		723.40	674.13	—49.27	—6.81
Milling,		483.81	421.18	—62.63	—12.95
Mortising,		118.25	100.70	—17.55	—14.84
Moulding,		145.01	166.67	+21.66	+14.94
Paper,		18,710.00	20,516.67	+1,806.67	+9.66
Twisting,		1,042.21	1,253.28	+211.07	+20.25
Woodworking,		112.73	107.84	—4.89	—4.34
Meters, water		23.45	24.78	+1.33	+5.67
Planers,		675.38	582.53	—92.85	—13.75
Presses, printing		2,059.73	1,829.79	—229.94	—11.16

MACHINES AND MACHINERY — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Pulleys,	. .	$5.04	$5.39	+$0.35	+6.94
Pumps, steam	. .	120.90	120.10	—0.80	—0.66
Spindles,	hundred	13.88	10.86	—3.02	—21.76
Spools,	hundred	5.09	5.87	+0.78	+15.32
Tanks, iron	. .	153.53	107.67	—45.86	—29.87
Valves, steam	. .	26.87	26.53	—0.34	—1.27

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	16,019	16,627	+608	+3.80
Smallest number,	13,968	14,368	+400	+2.86
Greatest number,	17,949	19,026	+1,077	+6.00
Excess of greatest over smallest number,	3,981	4,658	+677	+17.01
Averages.				
Average number employed in each establishment,	49	51	+2	+4.08
Smallest number,	43	44	+1	+2.33
Greatest number,	55	59	+4	+7.27
Excess of greatest over smallest number,	12	15	+3	+25.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	15,764	195	15,959	15,907	200	16,107
February,	15,612	196	15,808	15,847	203	16,050
March,	15,601	200	15,801	15,793	203	15,996
April,	15,775	196	15,971	16,102	211	16,313
May,	15,764	189	15,953	15,988	213	16,201
June,	15,756	187	15,943	16,075	216	16,291
July,	15,637	187	15,824	16,317	210	16,527
August,	15,644	175	15,819	16,687	205	16,892
September,	15,819	192	16,011	16,741	209	16,950
October,	16,015	195	16,210	16,965	202	17,167
November,	15,966	199	16,165	17,236	209	17,445
December,	15,905	194	16,099	17,297	206	17,503
During the entire year,*	821	46	867	1,089	50	1,139

* 64 establishments in 1891; 75 establishments in 1892.

MACHINES AND MACHINERY — 1891, 1892 — Continued.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$8,935,655	$9,311,797	+$376,142	+4.21
Average yearly earnings,	557.82	560.04	+2.22	+0.40

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	1,042	47	1,089	1,218	53	1,271
$5 but under $6,	651	26	677	696	38	734
$6 but under $7,	1,082	84	1,166	1,025	77	1,102
$7 but under $8,	1,357	34	1,391	1,404	44	1,448
$8 but under $9,	1,192	12	1,204	1,398	15	1,413
$9 but under $10,	2,126	5	2,131	2,154	8	2,162
$10 but under $12,	2,391	2	2,393	2,744	5	2,749
$12 but under $15,	3,839	2	3,841	3,848	1	3,849
$15 but under $20,	3,148	-	3,148	3,251	-	3,251
$20 and over,	730	-	730	815	-	815
Totals,	17,558	212	17,770	18,553	241	18,794

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	6	6	53 per cent,	1	-	77 per cent,	-	1
15 per cent,	3	2	54 per cent,	1	1	78 per cent,	-	1
17 per cent,	-	1	55 per cent,	1	3	80 per cent,	22	17
20 per cent,	5	3	60 per cent,	13	17	81 per cent,	1	-
25 per cent,	19	17	63 per cent,	2	-	83 per cent,	1	1
30 per cent,	4	4	64 per cent,	-	1	85 per cent,	6	15
33 per cent,	8	8	65 per cent,	5	6	87 per cent,	1	-
35 per cent,	2	1	66 per cent,	-	3	88 per cent,	1	2
38 per cent,	-	1	67 per cent,	9	11	90 per cent,	21	25
40 per cent,	5	9	68 per cent,	-	1	91 per cent,	-	1
42 per cent,	-	1	69 per cent,	1	-	92 per cent,	2	-
45 per cent,	3	4	70 per cent,	10	16	95 per cent,	4	8
46 per cent,	1	-	71 per cent,	1	1	98 per cent,	2	1
48 per cent,	1	-	73 per cent,	-	1	99 per cent,	1	1
50 per cent,	61	45	74 per cent,	2	1	100 per cent,	39	41
52 per cent,	-	1	75 per cent,	59	45	Totals,	324	324

MACHINES AND MACHINERY — 1891, 1892 — Concluded.

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
90 days, .	1	1	-	-	286 days, .	1	9	1	147
140 days, .	1	2	-	-	287 days, .	1	60	-	-
150 days, .	2	2	1	1	289 days, .	1	11	-	-
160 days, .	1	-	-	-	290 days, .	2	158	3	76
176 days, .	-	-	1	1	291 days, .	1	10	1	65
182 days, .	1	10	-	-	292 days, .	1	8	1	4
195 days, .	1	1	-	-	293 days, .	1	29	2	28
200 days, .	2	4	2	3	294 days, .	2	350	1	11
222 days, .	-	-	1	1	295 days, .	6	698	6	823
225 days, .	1	18	-	-	296 days, .	3	177	2	283
228 days, .	-	-	1	1	297 days, .	-	-	2	79
234 days, .	1	1	-	-	298 days, .	2	190	8	235
235 days, .	-	-	1	5	299 days, .	2	245	3	393
236 days, .	-	-	1	5	300 days, .	49	1,455	39	984
239 days, .	1	1	-	-	301 days, .	2	42	5	617
240 days, .	1	19	1	1	302 days, .	6	308	4	564
245 days, .	1	5	-	-	303 days, .	5	201	7	624
246 days, .	-	-	1	5	304 days, .	9	1,185	11	945
250 days, .	3	18	1	1	305 days, .	19	556	14	378
255 days, .	-	-	1	43	306 days, .	158	8,525	154	6,895
260 days, .	1	98	1	5	307 days, .	10	860	9	208
272 days, .	-	-	1	10	308 days, .	9	80	12	2,085
275 days, .	-	-	1	4	309 days, .	-	-	1	110
279 days, .	1	20	-	-	310 days, .	3	62	8	544
280 days, .	3	63	1	2	311 days, .	1	2	-	-
283 days, .	1	21	-	-	312 days, .	1	45	4	56
284 days, .	2	30	1	212	313 days, .	4	444	8	155
285 days, .	-	-	1	18	Totals, .	324	16,019	324	16,627

METALS AND METALLIC GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	348	348	=	=
Number of private firms,	264	263	—1	—0.38
Number of partners,	406	413	+7	+1.72
Males,	394	397	+3	+0.76
Females,	10	11	+1	+10.00
Special,	-	2	+2	-
Estates,	2	3	+1	+50.00
Number of corporations,	84	85	+1	+1.19
Number of stockholders,	1,721	1,864	+143	+8.31
Males,	1,179	1,283	+104	+8.82
Females,	419	498	+79	+18.85
Banks, trustees, etc.,	123	83	—40	—32.52
Aggregates: partners and stockholders,	2,127	2,277	+150	+7.05

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$19,385,517	$21,802,040	+$2,416,523	+12.47

STOCK USED: AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$12,640,209	$13,336,228	+$696,019	+5.51
Antimony,	19,943	19,790	—153	—0.77
Brass, sheet	108,452	109,761	+1,309	+1.21
Brass (not specified),	49,317	59,580	+10,263	+20.81
Composition,	36,106	32,690	—3,416	—9.46
Copper, ingot	253,663	261,001	+7,338	+2.89
Copper, sheet	63,669	53,914	—9,755	—15.32
Copper (not specified),	422,015	462,685	+40,670	+9.64
Gold,	57,266	56,795	—471	—0.82

METALS AND METALLIC GOODS — 1891, 1892 — Continued.

STOCK USED: AGGREGATE VALUES — Concluded.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Iron:				
Bar,	$23,116	$24,137	+$1,021	+4.42
Pig,	690,813	713,811	+22,998	+3.33
Scrap,	451,222	427,774	—23,448	—5.20
Sheet,	33,250	30,067	—3,183	—9.57
Wrought,	120,525	127,572	+7,047	+5.85
Iron (not specified),	600,292	596,473	—3,819	—0.64
Ore, iron	10,606	11,163	+557	+5.25
Rails, iron (old),	70,520	71,968	+1,448	+2.05
Rivet-rods, iron	93,481	99,096	+5,615	+6.01
Silver,	407,654	382,360	—25,294	—6.20
Spelter,	149,731	157,612	+7,881	+5.26
Steel (not specified),	360,877	361,084	+207	+0.06
Tin, pig	97,467	98,229	+762	+0.78
Tin-plate,	408,846	434,366	+25,520	+6.24
Wire, copper	130,140	243,759	+113,619	+87.31
Wire, iron	229,169	241,220	+12,051	+5.26
Wire-rods, iron	238,889	264,634	+25,745	+10.78
Zinc,	38,812	56,676	+17,864	+46.03
Not classified in detail,	7,474,368	7,938,011	+463,643	+6.20

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Antimony,	100 pounds	1,366	1,461	+95	+6.95
Brass, sheet	100 pounds	6,906	7,727	+821	+11.89
Brass (not specified),	100 pounds	4,336	5,409	+1,073	+24.75
Composition,	100 pounds	3,071	2,954	—117	—3.81
Copper, ingot	100 pounds	17,399	21,678	+4,279	+24.59
Copper, sheet	100 pounds	2,974	3,031	+57	+1.92
Copper (not specified),	100 pounds	33,303	39,184	+5,881	+17.66
Gold,	pwt.	56,129	55,171	—958	—1.71
Iron:					
Bar,	tons	491	535¾	+44¾	+9.11
Pig,	tons	37,791¾	40,954	+3,162¼	+8.37
Scrap,	tons	28,888¾	29,792	+903¼	+3.13
Sheet,	tons	426	418¼	—7¾	—1.82
Wrought,	tons	2,835½	3,071½	+236	+8.32
Iron (not specified),	tons	24,720¼	25,200¼	+480	+1.94
Ore, iron	tons	1,684	2,028	+344	+20.43
Rails, iron (old),	tons	2,950	3,103	+153	+5.19
Rivet-rods, iron	tons	1,512	1,685½	+173½	+11.47

METALS AND METALLIC GOODS—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES—Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Silver,	ounces	394,043	395,307	+1,264	+0.32
Spelter,	100 pounds	28,619	32,173	+3,554	+12.42
Steel (not specified),	tons	5,299½	5,075	−224½	−4.24
Tin, pig	100 pounds	4,749	4,581	−168	−3.54
Tin-plate,	boxes	64,375	70,002	+5,627	+8.74
Wire, copper	100 pounds	7,637	16,258	+8,621	+112.88
Wire, iron	100 pounds	50,963	56,893	+5,930	+11.64
Wire-rods, iron	tons	5,115	5,128½	+13½	+0.26
Zinc,	100 pounds	6,399	9,567	+3,168	+49.51

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Antimony,	100 pounds	$14.60	$13.55	−$1.05	−7.19
Brass, sheet	100 pounds	15.70	14.20	−1.50	−9.55
Brass (not specified),	100 pounds	11.37	11.01	−0.36	−3.17
Composition,	100 pounds	11.76	11.07	−0.69	−5.87
Copper, ingot	100 pounds	14.58	12.04	−2.54	−17.42
Copper, sheet	100 pounds	21.41	17.79	−3.62	−16.91
Copper (not specified),	100 pounds	12.67	11.81	−0.86	−6.79
Gold,	pwt.	1.02	1.03	+0.01	+0.98
Iron:					
Bar,	tons	47.08	45.05	−2.03	−4.31
Pig,	tons	18.28	17.43	−0.85	−4.65
Scrap,	tons	15.62	14.36	−1.26	−8.07
Sheet,	tons	78.05	71.89	−6.16	−7.89
Wrought,	tons	42.51	41.53	−0.98	−2.31
Iron (not specified),	tons	24.28	23.67	−0.61	−2.51
Ore, iron	tons	6.30	5.50	−0.80	−12.70
Rails, iron (old),	tons	23.91	23.19	−0.72	−3.01
Rivet-rods, iron	tons	61.83	58.79	−3.04	−4.92
Silver,	ounces	1.03	0.97	−0.06	−5.83
Spelter,	100 pounds	5.23	4.90	−0.33	−6.31
Steel (not specified),	tons	68.10	71.15	+3.05	+4.48
Tin, pig	100 pounds	20.52	21.44	+0.92	+4.48
Tin-plate,	boxes	6.35	6.21	−0.14	−2.20
Wire, copper	100 pounds	17.04	14.99	−2.05	−12.03
Wire, iron	100 pounds	4.50	4.24	−0.26	−5.78
Wire-rods, iron	tons	46.70	51.60	+4.90	+10.49
Zinc,	100 pounds	6.07	5.92	−0.15	−2.47

METALS AND METALLIC GOODS—1891, 1892—Continued.

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$26,132,972	$27,207,374	+$1,074,402	+3.95
Bridge-work, iron	173,040	173,300	+260	+0.15
Cans, tin	48,573	46,731	—1,842	—3.79
Castings:				
Brass,	115,327	119,800	+4,473	+3.88
Composition,	31,953	29,786	—2,167	—6.78
Iron,	1,829,258	1,865,487	+36,229	+1.98
Castings (not specified),	145,143	192,593	+47,450	+32.69
Cloth, wire	138,489	116,138	—22,351	—16.14
Cutlery, table	819,303	764,300	—55,003	—6.71
Forgings, iron	116,062	95,757	—20,305	—17.49
Gold leaf,	132,856	137,663	+4,807	+3.62
Iron, bar	323,166	306,364	—16,802	—5.20
Iron work, architectural	322,210	371,540	+49,330	+15.31
Nails, cut	383,824	299,474	—84,350	—21.98
Nails, steel	17,520	20,823	+3,303	+18.85
Nails, zinc	15,441	11,190	—4,251	—27.53
Needles, machine	203,752	188,823	—14,929	—7.33
Netting, wire	337,624	404,046	+66,422	+19.67
Rivets,	366,946	461,876	+94,930	+25.87
Sash weights,	56,490	64,700	+8,210	+14.53
Tack-plate,	226,098	263,277	+37,179	+16.44
Tacks:				
Iron,	53,496	63,485	+9,989	+18.67
Shoe,	31,372	37,134	+5,762	+18.37
Steel,	30,774	35,524	+4,750	+15.44
Tacks (not specified),	49,423	53,800	+4,377	+8.86
Type,	274,658	279,128	+4,470	+1.63
Not classified in detail,	19,890,174	20,804,635	+914,461	+4.60

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Bridge-work, iron	tons	2,094	2,138	+44	+2.10
Cans, tin	hundred	2,095	1,834	—261	—12.46
Castings:					
Brass,	100 pounds	5,851	6,165	+314	+5.37
Composition,	100 pounds	1,751	1,839	+88	+5.03
Iron,	tons	34,806¾	35,762¾	+956	+2.75
Castings (not specified),	tons	2,453	3,349¾	+896¾	+36.56
Cloth, wire	100 sq. feet	52,414	41,950	—10,464	—19.96
Cutlery, table	dozen	737,243	804,269	+67,026	+9.09
Forgings, iron	100 pounds	35,554	26,362	—9,192	—25.85

METALS AND METALLIC GOODS—1891, 1892—Continued.

GOODS MADE. AGGREGATE QUANTITIES—Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Gold leaf,	packs	17,487½	17,599½	+112	+0.64
Iron, bar	tons	8,237	8,136	—101	—1.23
Iron work, architectural	100 pounds	86,914	126,742	+39,828	+45.82
Nails, cut	kegs	182,475½	153,478	—28,997½	—15.89
Nails, steel	100 pounds	5,129	5,221	+92	+1.79
Nails, zinc	100 pounds	1,264	962	—302	—23.89
Needles, machine	thousand	25,400	23,328	—2,072	—8.16
Netting, wire	M sq. feet	47,863	56,406	+8,543	+17.85
Rivets,	100 pounds	56,099	55,693	—406	—0.72
Sash weights,	tons	2,821	3,110	+289	+10.24
Tack-plate,	tons	7,578	8,715	+1,137	+15.00
Tacks:					
Iron,	100 pounds	6,165	7,298	+1,133	+18.38
Shoe,	100 pounds	2,735	3,095	+360	+13.16
Steel,	100 pounds	3,640	3,076	—564	—15.49
Tacks (not specified),	tons	301	305	+4	+1.33
Type,	100 pounds	6,471	6,562	+91	+1.41

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Bridge-work, iron	tons	$82.64	$81.06	—$1.58	—1.91
Cans, tin	hundred	23.19	25.48	+2.29	+9.87
Castings:					
Brass,	100 pounds	19.71	19.43	—0.28	—1.42
Composition,	100 pounds	18.25	16.20	—2.05	—11.23
Iron,	tons	52.55	52.16	—0.39	—0.74
Castings (not specified),	tons	59.17	57.49	—1.68	—2.84
Cloth, wire	100 sq. feet	2.64	2.77	+0.13	+4.92
Cutlery, table	dozen	1.11	0.95	—0.16	—14.41
Forgings, iron	100 pounds	3.26	3.63	+0.37	+11.35
Gold leaf,	packs	7.60	7.82	+0.22	+2.89
Iron, bar	tons	39.23	37.66	—1.57	—4.00
Iron work, architectural	100 pounds	3.71	2.93	—0.78	—21.02
Nails, cut	kegs	2.10	1.95	—0.15	—7.14
Nails, steel	100 pounds	3.42	3.99	+0.57	+16.67
Nails, zinc	100 pounds	12.22	11.63	—0.59	—4.83
Needles, machine	thousand	8.02	8.09	+0.07	+0.87
Netting, wire	M sq. feet	7.05	7.16	+0.11	+1.56
Rivets,	100 pounds	6.54	8.29	+1.75	+26.76
Sash weights,	tons	20.02	20.80	+0.78	+3.90
Tack-plate,	tons	29.84	30.21	+0.37	+1.24

METALS AND METALLIC GOODS — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Tacks:					
Iron,	100 pounds	$8.68	$8.70	+$0.02	+0.23
Shoe,	100 pounds	11.47	12.00	+0.53	+4.62
Steel,	100 pounds	8.45	11.55	+3.10	+36.69
Tacks (not specified),	tons	164.20	176.39	+12.19	+7.42
Type,	100 pounds	42.44	42.54	+0.10	+0.24

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	14,310	14,913	+603	+4.21
Smallest number,	11,512	12,803	+1,291	+11.21
Greatest number,	15,351	16,615	+1,264	+8.23
Excess of greatest over smallest number,	3,839	3,812	−27	−0.70
Averages.				
Average number employed in each establishment,	41	43	+2	+4.88
Smallest number,	33	37	+4	+12.12
Greatest number,	44	48	+4	+9.09
Excess of greatest over smallest number,	11	11	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	12,598	1,533	14,131	12,895	1,368	14,263
February,	12,606	1,512	14,118	12,946	1,443	14,389
March,	12,536	1,516	14,052	13,013	1,496	14,509
April,	12,597	1,528	14,125	13,157	1,516	14,673
May,	12,557	1,516	14,073	13,345	1,537	14,882
June,	12,528	1,501	14,029	13,393	1,495	14,888
July,	12,631	1,481	14,112	13,149	1,427	14,576
August,	12,668	1,488	14,156	13,331	1,479	14,810
September,	13,002	1,513	14,515	13,910	1,496	15,406
October,	13,396	1,506	14,902	14,108	1,473	15,581
November,	13,390	1,506	14,896	13,956	1,496	15,452
December,	13,300	1,512	14,812	13,820	1,500	15,320
During the entire year,*	1,206	80	1,286	1,572	202	1,774

* 85 establishments in 1891; 87 establishments in 1892.

METALS AND METALLIC GOODS — 1891, 1892 — Continued.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages, ...	$7,377,673	$7,677,180	+$299,507	+4.06
Average yearly earnings, ...	515.56	514.80	—0.76	—0.15

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5, ...	973	364	1,337	819	407	1,226
$5 but under $6, . . .	625	304	929	565	306	871
$6 but under $7, . . .	846	339	1,185	892	404	1,296
$7 but under $8, . . .	1,277	308	1,585	1,162	255	1,417
$8 but under $9, . . .	1,131	143	1,274	1,020	131	1,151
$9 but under $10, . . .	1,703	79	1,782	2,111	61	2,172
$10 but under $12, . . .	2,201	37	2,238	2,261	48	2,309
$12 but under $15, . . .	2,760	16	2,776	2,972	16	2,988
$15 but under $20, . . .	2,112	1	2,113	2,184	4	2,188
$20 and over, ...	832	1	833	738	-	738
Totals, ...	14,460	1,592	16,052	14,724	1,632	16,356

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
5 per cent, .	1	-	54 per cent, .	-	1	81 per cent, .	1	-
7 per cent, .	1	1	55 per cent, .	-	2	82 per cent, .	1	-
10 per cent, .	2	5	56 per cent, .	2	-	83 per cent, .	-	3
12 per cent, .	-	1	60 per cent, .	23	15	84 per cent, .	-	1
16 per cent, .	1	-	61 per cent, .	-	1	85 per cent, .	13	10
20 per cent, .	6	4	62 per cent, .	-	1	86 per cent, .	2	1
25 per cent, .	12	16	63 per cent, .	1	1	87 per cent, .	1	1
29 per cent, .	1	-	65 per cent, .	4	6	88 per cent, .	1	-
30 per cent, .	-	1	66 per cent, .	1	4	90 per cent, .	20	25
33 per cent, .	7	5	67 per cent, .	7	5	92 per cent, .	1	3
34 per cent, .	1	-	68 per cent, .	-	1	93 per cent, .	1	1
35 per cent, .	2	1	69 per cent, .	1	1	94 per cent, .	2	2
36 per cent, .	-	1	70 per cent, .	12	11	95 per cent, .	4	10
38 per cent, .	1	1	72 per cent, .	1	1	96 per cent, .	-	1
40 per cent, .	12	6	73 per cent, .	-	1	97 per cent, .	1	-
41 per cent, .	-	1	75 per cent, .	69	65	98 per cent, .	1	1
45 per cent, .	1	1	76 per cent, .	1	1	99 per cent, .	1	-
46 per cent, .	-	1	77 per cent, .	1	-	100 per cent, .	41	45
50 per cent, .	50	50	78 per cent, .	1	1			
51 per cent, .	-	1	80 per cent, .	35	30	Totals, .	348	346

METALS AND METALLIC GOODS—1891, 1892—Concluded.

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
40 days,	-	-	1	1	266 days,	-	-	1	1
66 days,	-	-	1	22	270 days,	3	53	1	8
70 days,	1	34	-	-	272 days,	-	-	1	67
75 days,	-	-	1	1	273 days,	1	8	1	1
76 days,	1	5	-	-	274 days,	1	11	-	-
100 days,	1	1	-	-	275 days,	4	251	4	63
102 days,	1	10	-	-	276 days,	-	-	2	217
115 days,	-	-	1	3	278 days,	1	77	1	56
125 days,	1	5	1	3	280 days,	8	794	9	267
130 days,	1	1	-	-	281 days,	1	48	4	176
141 days,	-	-	1	5	283 days,	-	-	1	24
150 days,	1	-	-	-	285 days,	4	149	3	248
151 days,	-	-	1	5	286 days,	2	188	1	5
154 days,	1	2	1	2	287 days,	1	46	1	23
189 days,	-	-	1	318	288 days,	2	68	1	21
195 days,	-	-	1	2	289 days,	2	128	1	63
200 days,	3	40	1	-	290 days,	8	536	11	618
206 days,	-	-	1	1	291 days,	2	25	3	940
208 days,	-	-	2	77	292 days,	2	24	1	66
209 days,	1	6	-	-	293 days,	1	20	1	32
215 days,	1	23	-	-	294 days,	2	670	4	95
224 days,	-	-	1	2	295 days,	6	325	4	153
225 days,	1	9	2	17	296 days,	2	110	2	22
226 days,	-	-	1	4	297 days,	4	112	2	56
229 days,	2	328	-	-	298 days,	3	480	-	-
234 days,	1	1	-	-	299 days,	2	82	1	54
235 days,	-	-	1	24	300 days,	51	1,869	52	2,269
236 days,	-	-	1	10	301 days,	3	276	5	341
237 days,	-	-	1	23	302 days,	9	214	6	301
240 days,	1	16	1	36	303 days,	8	1,007	7	970
244 days,	1	24	-	-	304 days,	10	335	4	121
245 days,	-	-	2	604	305 days,	11	549	16	690
247 days,	2	43	2	26	306 days,	140	4,055	141	3,761
250 days,	5	66	4	58	307 days,	8	496	3	562
251 days,	1	174	-	-	308 days,	3	26	9	560
252 days,	-	-	1	9	309 days,	3	121	4	165
253 days,	1	23	-	-	310 days,	4	190	2	189
256 days,	1	23	-	-	311 days,	1	7	1	51
257 days,	-	-	2	190	312 days,	1	1	1	1
260 days,	2	63	2	47	313 days,	1	44	-	-
262 days,	1	5	-	-					
263 days,	1	13	1	166	Totals,	348	14,310	348	14,913

MIXED TEXTILES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	13	13	=	=
Number of private firms,	6	6	=	=
Number of partners,	7	7	=	=
Males,	7	7	=	=
Number of corporations,	7	7	=	=
Number of stockholders,	58	56	—2	—3.45
Males,	48	47	—1	—2.08
Females,	9	9	=	=
Banks, trustees, etc.,	1	-	—1	—100.00
Aggregates: partners and stockholders,	65	63	—2	—3.08

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,122,283	$1,603,883	+$481,600	+42.91

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$1,130,256	$1,355,748	+$225,492	+19.95
Cotton, raw	100,803	96,639	—4,164	—4.13
Shoddy,	71,901	76,298	+4,397	+6.12
Wool, scoured	194,580	202,160	+7,580	+3.90
Wool, unscoured	59,246	77,320	+18,074	+30.51
Wool (not specified),	285,812	281,384	—4,428	—1.55
Yarn, cotton	52,811	85,920	+33,109	+62.69
Not classified in detail,	365,103	536,027	+170,924	+46.82

MIXED TEXTILES—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Quantities	Percentages
Cotton, raw	100 pounds	6,363	6,032	−331	−5.20
Shoddy,	100 pounds	6,427	6,041	−386	−6.01
Wool, scoured	100 pounds	3,952	4,103	+151	+3.82
Wool, unscoured	100 pounds	3,203	4,296	+1,093	+34.12
Wool (not specified),	100 pounds	7,824	7,780	−44	−0.56
Yarn, cotton	100 pounds	2,498	3,573	+1,075	+43.03

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Cotton, raw	100 pounds	$15.84	$16.02	+$0.18	+1.14
Shoddy,	100 pounds	11.19	12.63	+1.44	+12.87
Wool, scoured	100 pounds	49.24	49.27	+0.03	+0.06
Wool, unscoured	100 pounds	18.50	18.00	−0.50	−2.70
Wool (not specified),	100 pounds	36.53	36.17	−0.36	−0.99
Yarn, cotton	100 pounds	21.14	24.05	+2.91	+13.77

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,820,242	$2,061,130	+$240,888	+13.23

MIXED TEXTILES — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	779	841	+62	+7.96
Smallest number,	728	753	+25	+3.43
Greatest number,	887	922	+35	+3.95
Excess of greatest over smallest number,	159	169	+10	+6.29
Averages.				
Average number employed in each establishment,	60	65	+5	+8.33
Smallest number,	56	58	+2	+3.57
Greatest number,	68	71	+3	+4.41
Excess of greatest over smallest number,	12	13	+1	+8.33

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	547	219	766	570	225	795
February,	550	224	774	574	229	803
March,	610	232	842	592	235	827
April,	614	238	852	584	235	819
May,	587	236	823	589	244	833
June,	590	229	819	605	242	847
July,	566	216	782	616	239	855
August,	557	218	775	626	267	893
September,	497	202	699	612	262	874
October,	506	193	699	571	255	826
November,	508	188	696	583	254	837
December,	581	227	808	544	247	791
During the entire year,*	119	12	131	129	10	139

* 2 establishments in 1891; 3 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$304,121	$321,989	+$17,868	+5.88
Average yearly earnings,	390.40	382.86	−7.54	−1.93

MIXED TEXTILES — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	74	124	198	69	104	173
$5 but under $6,	33	63	96	32	46	78
$6 but under $7,	96	37	133	89	37	126
$7 but under $8,	148	11	159	148	17	165
$8 but under $9,	73	8	81	59	11	70
$9 but under $10,	76	4	80	91	4	95
$10 but under $12,	55	4	59	67	9	76
$12 but under $15,	34	-	34	59	3	62
$15 but under $20,	38	1	39	43	1	44
$20 and over,	10	-	10	13	-	13
Totals,	637	252	889	670	232	902

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
33 per cent,	1	1	75 per cent,	1	-	92 per cent,	1	-
42 per cent,	-	1	80 per cent,	2	3	95 per cent,	-	1
54 per cent,	1	-	84 per cent,	-	1	100 per cent,	5	3
72 per cent,	1	-	90 per cent,	1	3	Totals,	13	13

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
120 days,	-	-	1	8	301 days,	1	28	1	87
222 days,	1	80	-	-	302 days,	2	48	1	42
223 days,	-	-	1	20	304 days,	-	-	1	243
239 days,	1	61	-	-	306 days,	5	467	5	328
290 days,	1	30	1	36	312 days,	1	16	-	-
300 days,	1	49	2	77	Totals,	13	779	13	841

MODELS AND PATTERNS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting, . .	9	9	=	=
Number of private firms, ...	9	9	=	=
Number of partners, ...	14	13	—1	—7.14
Males, ...	14	13	—1	—7.14

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested, ...	$41,997	$41,485	—$512	—1.22

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used, ...	$37,282	$48,649	+$11,367	+30.49

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done, .	$123,200	$146,673	+$23,473	+19.05

MODELS AND PATTERNS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	51	53	+2	+3.92
Smallest number,	40	42	+2	+5.00
Greatest number,	57	62	+5	+8.77
Excess of greatest over smallest number,	17	20	+3	+17.65
Averages.				
Average number employed in each establishment,	6	6	*=	*=
Smallest number,	4	5	+1	+25.00
Greatest number,	6	7	+1	+16.67
Excess of greatest over smallest number,	2	2	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	45	-	45	48	-	48
February,	47	-	47	51	-	51
March,	50	-	50	51	-	51
April,	48	-	48	55	-	55
May,	49	-	49	51	-	51
June,	49	-	49	48	-	48
July,	52	-	52	50	-	50
August,	45	-	45	48	-	48
September,	49	-	49	52	-	52
October,	48	-	48	57	-	57
November,	53	-	53	61	-	61
December,	50	-	50	59	-	59
During the entire year,*	20	-	20	24	-	24

* 2 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$27,543	$34,707	+$7,164	+26.01
Average yearly earnings,	540.06	654.85	+114.79	+21.26

MODELS AND PATTERNS — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	2	-	2	3	-	3
$5 but under $6,	3	-	3	2	-	2
$6 but under $7,	3	-	3	2	-	2
$7 but under $8,	1	-	1	-	-	-
$8 but under $9,	4	-	4	3	-	3
$9 but under $10,	1	-	1	5	-	5
$10 but under $12,	1	-	1	1	-	1
$12 but under $15,	6	-	6	11	-	11
$15 but under $20,	31	-	31	32	-	32
$20 and over,	3	-	3	3	-	3
Totals,	55	-	55	62	-	62

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
25 per cent,	1	-	60 per cent,	1	-	100 per cent,	1	1
33 per cent,	1	1	75 per cent,	1	3			
50 per cent,	3	4	80 per cent,	1	-	Totals,	9	9

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
300 days,	1	1	1	1	312 days,	-	-	1	2
306 days,	8	50	7	50	Totals,	9	51	9	53

MUSICAL INSTRUMENTS AND MATERIALS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	55	55	=	=
Number of private firms,	44	40	—4	—9.09
Number of partners,	71	65	—6	—8.45
Males,	71	65	—6	—8.45
Number of corporations,	11	15	+4	+36.36
Number of stockholders,	203	238	+35	+17.24
Males,	144	175	+31	+21.53
Females,	55	62	+7	+12.73
Banks, trustees, etc.,	4	1	—3	—75.00
Aggregates: partners and stockholders,	274	303	+29	+10.58

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$4,731,865	$4,822,758	+$90,893	+1.92

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,230,291	$2,390,425	+$160,134	+7.18
Actions, piano	123,950	113,139	—10,811	—8.72
Cases, piano	30,889	25,388	—5,501	—17.81
Keys, organ	6,352	5,189	—1,163	—18.31
Keys, piano	52,746	58,714	+5,968	+11.31
Not classified in detail,	2,016,354	2,187,995	+171,641	+8.51

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Actions, piano	sets	6,403	6,191	—212	—3.31
Cases, piano		985	886	—99	—10.05
Keys, organ	sets	2,967	2,435	—532	—17.93
Keys, piano	sets	4,064	4,496	+432	+10.63

MUSICAL INSTRUMENTS AND MATERIALS—1891, 1892 —Continued.

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Actions, piano	sets	$19.36	$18.27	—$1.09	—5.63
Cases, piano		31.36	28.65	—2.71	—8.64
Keys, organ	sets	2.14	2.13	—0.01	—0.47
Keys, piano	sets	12.98	13.06	+0.08	+0.62

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$5,858,029	$5,839,648	—$18,381	—0.31
Cases, piano	296,572	311,408	+14,836	+5.00
Organs, church	183,012	188,205	+5,193	+2.84
Organs, reed	132,401	155,000	+22,599	+17.07
Pianos,	2,925,863	2,836,798	—89,065	—3.04
Not classified in detail,	2,320,181	2,348,237	+28,056	+1.21

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Cases, piano		8,095	9,204	+1,109	+13.70
Organs, church		74	77	+3	+4.05
Organs, reed		2,500	2,924	+424	+16.96
Pianos,		12,482	12,432	—50	—0.40

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Cases, piano		$36.64	$33.83	—$2.81	—7.67
Organs, church		2,473.14	2,444.22	—28.92	—1.17
Organs, reed		52.96	53.01	+0.05	+0.09
Pianos,		234.41	228.19	—6.22	—2.65

MUSICAL INSTRUMENTS AND MATERIALS—1891, 1892 —Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	2,958	3,075	+117	+3.96
Smallest number,	2,813	2,845	+32	+1.14
Greatest number,	3,197	3,280	+83	+2.60
Excess of greatest over smallest number,	384	435	+51	+13.28
Averages.				
Average number employed in each establishment,	54	56	+2	+3.70
Smallest number,	51	52	+1	+1.96
Greatest number,	58	60	+2	+3.45
Excess of greatest over smallest number,	7	8	+1	+14.29

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	2,910	82	2,992	2,960	80	3,040
February,	2,856	81	2,937	2,942	80	3,022
March,	2,857	81	2,938	2,938	79	3,017
April,	2,861	77	2,938	3,024	79	3,103
May,	2,817	75	2,892	3,017	75	3,092
June,	2,793	74	2,867	2,980	73	3,053
July,	2,813	72	2,885	2,971	76	3,047
August,	2,814	71	2,885	2,981	74	3,055
September,	2,903	72	2,975	3,053	75	3,128
October,	2,950	75	3,025	3,096	82	3,178
November,	2,969	78	3,047	3,108	83	3,191
December,	3,007	81	3,088	3,129	84	3,213
During the entire year,*	703	5	708	1,024	8	1,032

* 14 establishments in 1891; 16 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$1,972,602	$2,098,173	+$125,571	+6.37
Average yearly earnings,	666.87	682.33	+15.46	+2.32

MUSICAL INSTRUMENTS AND MATERIALS—1891, 1892 —Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	88	19	107	72	9	81
$5 but under $6,	60	17	77	66	16	82
$6 but under $7,	88	26	114	99	28	127
$7 but under $8,	84	7	91	68	9	77
$8 but under $9,	99	4	103	101	3	104
$9 but under $10,	171	4	175	175	6	181
$10 but under $12,	372	6	378	412	6	418
$12 but under $15,	771	1	772	741	2	743
$15 but under $20,	971	-	971	1,026	-	1,026
$20 and over,	347	-	347	372	-	372
Totals,	3,051	84	3,135	3,132	79	3,211

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
17 per cent,	1	2	60 per cent,	5	5	83 per cent,	1	1
25 per cent,	2	1	65 per cent,	1	1	85 per cent,	4	4
30 per cent,	-	1	67 per cent,	1	-	90 per cent,	3	5
33 per cent,	2	-	70 per cent,	1	4	92 per cent,	1	1
40 per cent,	3	2	73 per cent,	1	-	95 per cent,	2	2
50 per cent,	5	3	75 per cent,	11	10	100 per cent,	6	9
55 per cent,	1	1	80 per cent,	4	3	Totals,	55	55

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
100 days,	-	-	1	1	297 days,	1	220	-	-
205 days,	1	4	-	-	298 days,	-	-	1	226
208 days,	1	1	-	-	299 days,	2	491	-	-
250 days,	-	-	1	304	300 days,	10	567	12	411
264 days,	2	31	-	-	301 days,	-	-	1	154
265 days,	-	-	1	7	302 days,	-	-	3	129
275 days,	1	2	-	-	304 days,	1	54	1	21
280 days,	1	270	-	-	305 days,	2	147	4	180
285 days,	2	19	-	-	306 days,	25	1,013	26	1,332
288 days,	1	20	-	-	307 days,	1	13	-	-
290 days,	1	40	-	-	309 days,	1	31	1	32
291 days,	-	-	1	220	313 days,	1	30	-	-
294 days,	1	5	-	-					
295 days,	-	-	1	35	Totals,	55	2,958	55	3,075
296 days,	-	-	1	23					

OILS AND ILLUMINATING FLUIDS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	9	9	=	=
Number of private firms,	7	7	=	=
Number of partners,	11	11	=	=
Males,	11	10	—1	—9.09
Females,	-	1	+1	-
Number of corporations,	2	2	=	=
Number of stockholders,	61	57	—4	—6.56
Males,	39	35	—4	—10.26
Females,	21	21	=	=
Banks, trustees, etc.,	1	1	=	=
Aggregates: partners and stockholders,	72	68	—4	—5.56

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$761,220	$601,000	—$160,220	—21.05

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$1,111,812	$902,161	—$209,651	—18.86

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,308,633	$1,048,102	—$260,531	—19.91

OILS AND ILLUMINATING FLUIDS—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	181	148	—33	—18.23
Smallest number,	141	120	—21	—14.89
Greatest number,	244	200	—44	—18.03
Excess of greatest over smallest number,	103	80	—23	—22.33
Averages.				
Average number employed in each establishment,	20	16	—4	—20.00
Smallest number,	16	13	—3	—18.75
Greatest number,	27	22	—5	—18.52
Excess of greatest over smallest number,	11	9	—2	—18.18

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	212	28	240	169	26	195
February,	212	28	240	165	26	191
March,	151	28	179	160	26	186
April,	145	28	173	123	24	147
May,	145	27	172	108	23	131
June,	139	18	157	108	24	132
July,	134	18	152	104	22	126
August,	130	18	148	101	22	123
September,	131	19	150	105	22	127
October,	137	18	155	114	22	136
November,	142	19	161	115	21	136
December,	210	28	238	124	21	145
During the entire year,*	13	2	15	15	3	18

* One establishment in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$97,537	$77,273	—$20,264	—20.78
Average yearly earnings,	538.88	522.11	—16.77	—3.11

OILS AND ILLUMINATING FLUIDS—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	2	1	3	6	24	30
$5 but under $6,	-	7	7	1	-	1
$6 but under $7,	1	16	17	1	-	1
$7 but under $8,	1	3	4	1	-	1
$8 but under $9,	10	1	11	-	-	-
$9 but under $10,	44	1	45	24	-	24
$10 but under $12,	67	-	67	65	-	65
$12 but under $15,	69	-	69	34	4	38
$15 but under $20,	8	-	8	8	-	8
$20 and over,	1	-	1	-	-	-
Totals,	203	29	232	140	28	168

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
25 per cent,	1	-	60 per cent,	1	1	75 per cent,	2	2
40 per cent,	1	1	63 per cent,	1	-	77 per cent,	-	1
50 per cent,	-	2	65 per cent,	-	1	100 per cent,	1	1
55 per cent,	1	-	66 per cent,	1	-	Totals,	9	9

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
275 days,	-	-	1	2	312 days,	1	42	-	-
300 days,	2	44	1	27	313 days,	-	-	1	29
306 days,	5	79	5	78					
308 days,	1	16	1	12	Totals,	9	181	9	148

PAINTS, COLORS, AND CRUDE CHEMICALS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	21	21	=	=
Number of private firms,	16	16	=	=
Number of partners,	35	35	=	=
Males,	34	34	=	=
Special,	1	1	=	=
Number of corporations,	5	5	=	=
Number of stockholders,	96	96	=	=
Males,	88	88	=	=
Females,	8	8	=	=
Aggregates: partners and stockholders,	131	131	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,353,482	$1,181,405	—$172,077	—12.71

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$800,989	$784,786	—$16,203	—2.02

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,282,392	$1,295,409	+$13,017	+1.02

PAINTS, COLORS, AND CRUDE CHEMICALS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	235	227	—8	—3.40
Smallest number,	196	192	—4	—2.04
Greatest number,	264	250	—14	—5.30
Excess of greatest over smallest number,	68	58	—10	—14.71
Averages.				
Average number employed in each establishment,	11	11	*=	*=
Smallest number,	9	9	*=	*=
Greatest number,	13	12	—1	—7.69
Excess of greatest over smallest number,	4	3	—1	—25.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	214	7	221	199	5	204
February,	228	9	237	208	6	214
March,	227	11	238	220	7	227
April,	237	9	246	230	8	238
May,	244	10	254	229	8	237
June,	245	10	255	228	8	236
July,	229	9	238	222	8	230
August,	216	7	223	213	6	219
September,	231	7	238	234	8	242
October,	226	7	233	226	8	234
November,	219	5	224	215	8	223
December,	210	5	215	209	7	216
During the entire year,*	47	-	47	46	-	46

* 8 establishments in 1891; 9 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$126,389	$122,739	—$3,650	—2.89
Average yearly earnings,	537.83	540.70	+2.87	+0.53

PAINTS, COLORS, AND CRUDE CHEMICALS — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	10	6	16	10	4	14
$5 but under $6,	4	1	5	7	1	8
$6 but under $7,	11	1	12	7	1	8
$7 but under $8,	11	1	12	7	1	8
$8 but under $9,	15	1	16	5	1	6
$9 but under $10,	65	-	65	67	-	67
$10 but under $12,	56	-	56	48	-	48
$12 but under $15,	49	-	49	57	-	57
$15 but under $20,	18	-	18	21	-	21
$20 and over,	12	-	12	12	-	12
Totals,	251	10	261	241	8	249

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	1	1	60 per cent,	2	1	80 per cent,	1	1
15 per cent,	1	-	65 per cent,	-	1	90 per cent,	1	1
20 per cent,	-	1	67 per cent,	1	-	95 per cent,	1	-
50 per cent,	5	3	70 per cent,	1	-	100 per cent,	1	2
55 per cent,	1	2	75 per cent,	5	8	Totals,	21	21

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
154 days,	1	1	-	-	290 days,	-	-	1	12
190 days,	1	4	-	-	294 days,	1	32	-	-
195 days,	-	-	1	4	296 days,	-	-	1	31
240 days,	-	-	1	7	300 days,	5	48	3	36
241 days,	-	-	1	2	302 days,	1	29	-	-
244 days,	1	2	-	-	305 days,	-	-	2	11
260 days,	1	8	-	-	306 days,	8	78	9	97
282 days,	-	-	1	11	307 days,	1	23	-	-
284 days,	1	10	-	-					
289 days,	-	-	1	16	Totals,	21	235	21	227

PAPER AND PAPER GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	104	104	=	=
Number of private firms,	41	40	−1	−2.44
Number of partners,	91	89	−2	−2.20
Males,	91	89	−2	−2.20
Number of corporations,	63	64	+1	+1.59
Number of stockholders,	1,228	1,246	+18	+1.47
Males,	819	821	+2	+0.24
Females,	359	370	+11	+3.06
Banks, trustees, etc.,	50	55	+5	+10.00
Aggregates: partners and stockholders,	1,319	1,335	+16	+1.21

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$22,477,298	$23,499,553	+$1,022,255	+4.55

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$15,902,073	$16,485,260	+$583,187	+3.67
Bagging,	199,193	232,135	+32,942	+16.54
Bleach,	186,737	165,279	−21,458	−11.49
Clay,	40,768	41,407	+639	+1.57
Glue,	34,490	33,518	−972	−2.82
Paper, envelope	1,057,372	1,019,789	−37,583	−3.55
Paper, old	476,008	395,359	−80,649	−16.94
Paper shavings,	67,530	68,777	+1,247	+1.85
Pulp, wood	1,887,162	2,089,416	+202,254	+10.72
Rags, cotton	816,370	855,069	+38,699	+4.74
Rags, linen	44,579	56,653	+12,074	+27.08
Rags (not specified),	2,168,691	2,319,520	+150,829	+6.95
Rope, manila	258,618	255,535	−3,083	−1.19
Sizing,	23,799	20,969	−2,830	−11.89
Waste, cotton	102,000	103,600	+1,600	+1.57
Wood (for pulp),	46,800	47,244	+444	+0.95
Not classified in detail,	8,491,956	8,780,990	+289,034	+3.40

PAPER AND PAPER GOODS — 1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Bagging,	tons	7,769¾	9,797	+2,027¼	+26.09
Bleach,	tons	3,277½	2,936¼	—341¼	—10.41
Clay,	tons	2,506¾	2,496½	—9¾	—0.39
Glue,	100 pounds	2,334	2,607	+273	+11.70
Paper, envelope	tons	7,115	6,968	—147	—2.07
Paper, old	tons	14,052¼	12,410¾	—1,641½	—11.68
Paper shavings,	tons	2,693½	2,414¼	—279¼	—10.37
Pulp, wood	tons	44,180¼	48,278¾	+4,098½	+9.28
Rags, cotton	tons	14,438¾	16,024	+1,585¼	+10.98
Rags, linen	tons	426½	584¼	+157¾	+36.99
Rags (not specified),	tons	43,749½	45,287½	+1,538	+3.52
Rope, manila	tons	5,254	5,178	—76	—1.45
Sizing,	100 pounds	3,430	3,262	—168	—4.90
Waste, cotton	tons	2,775½	3,017	+241½	+8.70
Wood (for pulp),	cords	7,800	7,874	+74	+0.95

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Bagging,	tons	$25.64	$23.69	—$1.95	—7.61
Bleach,	tons	56.98	56.29	—0.69	—1.21
Clay,	tons	16.27	16.59	+0.32	+1.97
Glue,	100 pounds	14.78	12.86	—1.92	—12.99
Paper, envelope	tons	148.61	146.35	—2.26	—1.52
Paper, old	tons	33.87	31.86	—2.01	—5.93
Paper shavings,	tons	25.07	28.49	+3.42	+13.64
Pulp, wood	tons	42.72	43.28	+0.56	+1.31
Rags, cotton	tons	56.54	53.36	—3.18	—5.62
Rags, linen	tons	104.52	96.97	—7.55	—7.22
Rags (not specified),	tons	49.57	51.22	+1.65	+3.33
Rope, manila	tons	49.22	49.35	+0.13	+0.26
Sizing,	100 pounds	6.94	6.43	—0.51	—7.35
Waste, cotton	tons	36.75	34.34	—2.41	—6.56
Wood (for pulp),	cords	6.00	6.00	*=	*=

* No change in average value.

PAPER AND PAPER GOODS — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$26,195,728	$28,169,676	+$1,973,948	+7.54
Cardboard,	705,488	761,391	+55,903	+7.92
Envelopes,	1,229,742	1,320,549	+90,807	+7.38
Paper:				
Book,	2,620,903	2,759,425	+138,522	+5.29
Building,	271,852	297,903	+26,051	+9.58
Card,	392,871	405,504	+12,633	+3.22
Carpet-lining,	153,738	148,116	—5,622	—3.66
Hanging,	195,976	240,637	+44,661	+22.79
Manila,	908,501	1,058,283	+149,782	+16.49
News,	946,040	1,007,700	+61,660	+6.52
Surface-coated,	659,847	727,514	+67,667	+10.25
Wrapping,	383,250	436,850	+53,600	+13.99
Writing,	3,920,591	4,104,398	+183,807	+4.69
Paper (not specified),	6,585,189	6,860,900	+275,711	+4.19
Not classified in detail,	7,221,740	8,040,506	+818,766	+11.34

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Cardboard,	tons	6,935	8,212	+1,277	+18.41
Envelopes,	thousand	1,423,873	1,356,278	—67,595	—4.75
Paper:					
Book,	tons	23,338¼	25,140½	+1,802¼	+7.72
Building,	tons	3,926½	4,398¾	+472¼	+12.03
Card,	tons	3,831	4,352	+521	+13.60
Carpet-lining,	tons	3,266½	3,219	—47½	—1.45
Hanging,	tons	3,406	4,176	+770	+22.61
Manila,	tons	7,847¾	10,262½	+2,414¾	+30.77
News,	tons	15,230½	16,965	+1,734½	+11.39
Surface-coated,	tons	4,205	4,781	+576	+13.70
Wrapping,	tons	4,315	4,960½	+645½	+14.96
Writing,	tons	17,356¾	18,707	+1,350¼	+7.78
Paper (not specified),	tons	48,066½	50,294	+2,227½	+4.63

PAPER AND PAPER GOODS — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (−), in 1892	
				Amounts	Percentages
Cardboard,	tons	$101.73	$92.72	−$9.01	−8.86
Envelopes,	thousand	0.86	0.97	+0.11	+12.79
Paper:					
Book,	tons	112.30	109.76	−2.54	−2.26
Building,	tons	69.24	67.72	−1.52	−2.20
Card,	tons	102.55	93.18	−9.37	−9.14
Carpet-lining,	tons	47.07	46.01	−1.06	−2.25
Hanging,	tons	57.54	57.62	+0.08	+0.14
Manila,	tons	115.77	103.12	−12.65	−10.93
News,	tons	62.11	59.40	−2.71	−4.36
Surface-coated,	tons	156.92	152.17	−4.75	−3.03
Wrapping,	tons	88.82	88.07	−0.75	−0.84
Writing,	tons	225.88	219.40	−6.48	−2.87
Paper (not specified),	tons	137.00	136.42	−0.58	−0.42

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	10,143	10,763	+620	+6.11
Smallest number,	9,544	9,873	+329	+3.45
Greatest number,	10,855	11,440	+585	+5.39
Excess of greatest over smallest number,	1,311	1,567	+256	+19.53
Averages.				
Average number employed in each establishment,	98	103	+5	+5.10
Smallest number,	92	95	+3	+3.26
Greatest number,	104	110	+6	+5.77
Excess of greatest over smallest number,	12	15	+3	+25.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	5,476	4,698	10,174	5,666	4,765	10,431
February,	5,483	4,706	10,189	5,702	4,828	10,530
March,	5,484	4,731	10,215	5,770	4,893	10,663
April,	5,485	4,679	10,164	5,797	4,941	10,738
May,	5,518	4,679	10,197	5,833	4,917	10,750

PAPER AND PAPER GOODS — 1891, 1892 — Continued.

PERSONS EMPLOYED: BY MONTHS — Concluded.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
June,	5,487	4,668	10,155	5,860	4,933	10,793
July,	5,461	4,613	10,074	5,919	4,897	10,816
August,	5,430	4,551	9,981	5,883	4,859	10,742
September,	5,531	4,621	10,152	5,868	4,935	10,803
October,	5,556	4,721	10,277	5,974	5,003	10,977
November,	5,616	4,725	10,341	5,980	4,974	10,954
December,	5,536	4,725	10,261	5,971	4,940	10,911
During the entire year,*	908	547	1,455	977	622	1,599

* 19 establishments in 1891; 21 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$4,312,115	$4,545,108	+$232,993	+5.40
Average yearly earnings,	425.13	422.29	—2.84	—0.67

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	249	1,231	1,480	208	1,119	1,327
$5 but under $6,	130	1,150	1,280	119	1,312	1,431
$6 but under $7,	215	1,253	1,468	215	1,299	1,514
$7 but under $8,	620	805	1,425	661	837	1,498
$8 but under $9,	647	315	962	668	324	992
$9 but under $10,	1,275	166	1,441	1,480	150	1,630
$10 but under $12,	759	66	825	889	61	950
$12 but under $15,	889	17	906	943	9	952
$15 but under $20,	745	4	749	776	6	782
$20 and over,	226	–	226	213	–	213
Totals,	5,755	5,007	10,762	6,172	5,117	11,289

PAPER AND PAPER GOODS — 1891, 1892 — Concluded.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments 1891	Establishments 1892	Proportion of Business Done.	Establishments 1891	Establishments 1892	Proportion of Business Done.	Establishments 1891	Establishments 1892
25 per cent, .	1	-	75 per cent, .	12	11	92 per cent, .	1	1
33 per cent, .	1	-	76 per cent, .	1	-	94 per cent, .	1	-
35 per cent, .	-	1	80 per cent, .	5	5	95 per cent, .	3	10
50 per cent, .	7	5	81 per cent, .	1	-	96 per cent, .	4	4
57 per cent, .	1	1	82 per cent, .	-	1	97 per cent, .	2	5
60 per cent, .	1	2	83 per cent, .	1	1	98 per cent, .	5	3
65 per cent, .	1	3	85 per cent, .	6	3	99 per cent, .	1	1
67 per cent, .	1	-	87 per cent, .	-	2	100 per cent, .	32	29
70 per cent, .	3	3	90 per cent, .	11	13			
71 per cent, .	1	-	91 per cent, .	1	-	Totals, .	104	104

DAYS IN OPERATION.

Days in Operation.	1891 Establishments	1891 Persons Employed	1892 Establishments	1892 Persons Employed	Days in Operation.	1891 Establishments	1891 Persons Employed	1892 Establishments	1892 Persons Employed
76 days, .	-	-	1	-	289 days, .	-	-	1	11
100 days, .	-	-	1	189	290 days, .	1	211	3	282
101 days, .	-	-	1	305	291 days, .	-	-	1	117
154 days, .	1	8	-	-	292 days, .	2	67	-	-
210 days, .	-	-	1	19	293 days, .	2	486	3	151
220 days, .	1	73	-	-	294 days, .	-	-	1	42
225 days, .	1	32	-	-	295 days, .	3	75	1	16
230 days, .	2	47	-	-	296 days, .	-	-	2	334
232 days, .	1	21	-	-	297 days, .	-	-	1	74
238 days, .	1	18	-	-	298 days, .	-	-	4	299
239 days, .	1	2	-	-	299 days, .	-	-	2	179
242 days, .	-	-	1	14	300 days, .	13	1,055	13	1,526
250 days, .	-	-	1	13	302 days, .	2	136	2	142
253 days, .	1	10	-	-	303 days, .	2	332	3	497
259 days, .	-	-	1	66	304 days, .	3	371	-	-
261 days, .	-	-	1	73	305 days, .	6	720	4	182
266 days, .	1	119	2	99	306 days, .	35	4,049	27	3,204
270 days, .	-	-	1	10	307 days, .	3	354	3	580
272 days, .	-	-	1	11	308 days, .	6	534	5	519
275 days, .	1	115	2	235	309 days, .	1	191	1	76
276 days, .	2	284	1	38	310 days, .	3	140	1	26
278 days, .	-	-	1	10	311 days, .	1	61	1	128
280 days, .	3	50	1	260	312 days, .	1	175	4	359
281 days, .	-	-	1	27	313 days, .	-	-	1	192
282 days, .	1	59	-	-					
285 days, .	3	339	1	38	Totals, .	104	10,143	104	10,763
286 days, .	-	-	1	420					

PERFUMES, TOILET ARTICLES, ETC. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	6	6	=	=
Number of private firms,	4	4	=	=
Number of partners,	4	4	=	=
Males,	4	4	=	=
Number of corporations,	2	2	=	=
Number of stockholders,	7	7	=	=
Males,	7	7	=	=
Aggregates: partners and stockholders,	11	11	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$165,000	$154,000	—$11,000	—6.67

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$124,075	$148,445	+$24,370	+19.64

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$333,825	$298,481	—$35,344	—10.59

PERFUMES, TOILET ARTICLES, ETC. — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	44	47	+3	+6.82
Smallest number,	40	41	+1	+2.50
Greatest number,	51	52	+1	+1.96
Excess of greatest over smallest number,	11	11	*=	*=
Averages.				
Average number employed in each establishment,	7	8	+1	+14.29
Smallest number,	7	7	*=	*=
Greatest number,	9	9	*=	*=
Excess of greatest over smallest number,	2	2	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	17	23	40	18	29	47
February,	17	23	40	18	29	47
March,	17	25	42	18	28	46
April,	17	25	42	18	30	48
May,	17	25	42	18	29	47
June,	17	25	42	18	26	44
July,	17	26	43	18	26	44
August,	17	25	42	18	24	42
September,	17	26	43	18	27	45
October,	17	29	46	18	29	47
November,	17	34	51	18	30	48
December,	17	33	50	19	32	51
During the entire year,*	9	9	18	7	14	21

* 3 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$18,116	$17,878	—$238	—1.31
Average yearly earnings,	411.73	380.38	—31.35	—7.61

PERFUMES, TOILET ARTICLES, ETC.—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	2	9	11	2	6	8
$5 but under $6,	4	3	7	-	1	1
$6 but under $7,	1	10	11	1	17	18
$7 but under $8,	-	3	3	1	-	1
$8 but under $9,	4	5	9	3	7	10
$9 but under $10,	-	-	-	1	1	2
$10 but under $12,	2	-	2	1	-	1
$12 but under $15,	2	-	2	2	-	2
$15 but under $20,	7	-	7	7	-	7
$20 and over,	-	-	-	-	-	-
Totals,	22	30	52	18	32	50

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
25 per cent,	1	-	85 per cent,	1	-	100 per cent,	1	1
50 per cent,	-	2	90 per cent,	2	1			
80 per cent,	1	2				Totals,	6	6

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
300 days,	1	5	2	16	308 days,	1	4	-	-
306 days,	4	35	3	27					
307 days,	-	-	1	4	Totals,	6	44	6	47

PHOTOGRAPHS AND PHOTOGRAPHIC MATERIALS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	15	15	=	=
Number of private firms,	14	14	=	=
Number of partners,	18	18	=	=
Males,	18	17	—1	—5.56
Females,	-	1	+1	-
Number of corporations,	1	1	=	=
Number of stockholders,	18	19	+1	+5.56
Males,	18	19	+1	+5.56
Aggregates: partners and stockholders,	36	37	+1	+2.78

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$211,000	$202,625	—$8,375	—3.97

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$88,317	$104,068	+$15,751	+17.83

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$315,859	$315,559	—$300	—0.09

PHOTOGRAPHS AND PHOTOGRAPHIC MATERIALS—1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	151	152	+1	+0.66
Smallest number,	129	125	—4	—3.10
Greatest number,	166	170	+4	+2.41
Excess of greatest over smallest number,	37	45	+8	+21.62
Averages.				
Average number employed in each establishment,	10	10	*=	*=
Smallest number,	9	8	—1	—11.11
Greatest number,	11	11	*=	*=
Excess of greatest over smallest number,	2	3	+1	+50.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	85	65	150	87	67	154
February,	85	64	149	88	65	153
March,	89	65	154	90	63	153
April,	89	64	153	92	63	155
May,	88	64	152	90	61	151
June,	88	66	154	92	67	159
July,	78	64	142	83	65	148
August,	74	59	133	75	56	131
September,	80	66	146	85	64	149
October,	85	68	153	86	63	149
November,	87	71	158	86	63	149
December,	92	73	165	95	67	162
During the entire year,*	38	26	64	8	7	15

* 6 establishments in 1891; 5 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$91,999	$97,517	+$5,518	+6.00
Average yearly earnings,	609.26	641.56	+32.30	+5.30

PHOTOGRAPHS AND PHOTOGRAPHIC MATERIALS—1891, 1892 —Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	9	5	14	8	1	9
$5 but under $6,	3	3	6	2	2	4
$6 but under $7,	2	5	7	2	7	9
$7 but under $8,	3	9	12	2	7	9
$8 but under $9,	5	9	14	3	12	15
$9 but under $10,	7	11	18	6	9	15
$10 but under $12,	13	14	27	17	13	30
$12 but under $15,	18	8	26	21	15	36
$15 but under $20,	12	7	19	19	5	24
$20 and over,	20	-	20	23	-	23
Totals,	92	71	163	103	71	174

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
5 per cent,	-	1	63 per cent,	-	1	90 per cent,	2	-
25 per cent,	1	-	67 per cent,	-	1	95 per cent,	-	1
40 per cent,	1	-	70 per cent,	-	2	100 per cent,	2	1
50 per cent,	4	6	75 per cent,	3	1			
60 per cent,	1	-	85 per cent,	1	1	Totals,	15	15

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
150 days,	1	1	-	-	306 days,	10	93	12	99
250 days,	-	-	1	1	311 days,	1	37	1	37
280 days,	1	14	1	15	313 days,	1	5	-	-
300 days,	1	1	-	-	Totals,	15	151	15	152

POLISHES AND DRESSING. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	27	27	=	=
Number of private firms,	25	25	=	=
Number of partners,	41	42	+1	+2.44
Males,	38	39	+1	+2.63
Females,	3	3	=	=
Number of corporations,	2	2	=	=
Number of stockholders,	16	15	−1	−6.25
Males,	13	11	−2	−15.38
Females,	3	3	=	=
Banks, trustees, etc.,	-	1	+1	-
Aggregates: partners and stockholders,	57	57	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount of capital invested,	$837,793	$891,937	+$54,144	+6.46

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$995,917	$1,110,679	+$114,762	+11.52

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,787,298	$1,944,174	+$156,876	+8.78

POLISHES AND DRESSING—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	295	279	—16	—5.42
Smallest number,	237	182	—55	—23.21
Greatest number,	342	317	—25	—7.31
Excess of greatest over smallest number,	105	135	+30	+28.57
Averages.				
Average number employed in each establishment,	11	10	—1	—9.09
Smallest number,	9	7	—2	—22.22
Greatest number,	13	12	—1	—7.69
Excess of greatest over smallest number,	4	5	+1	+25.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	161	110	271	145	113	258
February,	158	107	265	147	114	261
March,	153	138	291	149	130	279
April,	150	147	297	148	154	302
May,	147	152	299	148	155	303
June,	146	159	305	146	157	303
July,	142	159	301	149	148	297
August,	144	161	305	135	89	224
September,	150	166	316	151	144	295
October,	153	162	315	150	133	283
November,	151	140	291	146	127	273
December,	151	135	286	148	107	255
During the entire year,*	64	9	73	66	9	75

* 13 establishments in 1891; 12 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$146,124	$136,054	—$10,070	—6.89
Average yearly earnings,	495.34	487.65	—7.69	—1.55

POLISHES AND DRESSING — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	11	37	48	8	67	75
$5 but under $6,	10	33	43	4	17	21
$6 but under $7,	4	30	34	4	28	32
$7 but under $8,	4	2	6	7	6	13
$8 but under $9,	5	5	10	4	12	16
$9 but under $10,	6	8	14	10	12	22
$10 but under $12,	31	14	45	14	23	37
$12 but under $15,	53	24	77	49	3	52
$15 but under $20,	36	8	44	34	-	34
$20 and over,	17	-	17	18	-	18
Totals,	177	161	338	152	168	320

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
20 per cent,	-	2	65 per cent,	2	2	90 per cent,	1	-
25 per cent,	2	2	70 per cent,	1	-	91 per cent,	-	1
30 per cent,	2	-	73 per cent,	-	1	95 per cent,	1	2
40 per cent,	1	2	75 per cent,	1	-	96 per cent,	1	-
50 per cent,	7	6	80 per cent,	1	1	100 per cent,	5	5
60 per cent,	1	1	85 per cent,	1	2	Totals,	27	27

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
239 days,	1	1	-	-	304 days,	1	3	-	-
270 days,	1	8	-	-	305 days,	1	-	1	7
273 days,	-	-	1	66	306 days,	17	177	20	176
275 days,	-	-	1	3	307 days,	1	9	-	-
290 days,	-	-	1	3	308 days,	-	-	1	11
296 days,	1	75	-	-	313 days,	1	1	-	-
300 days,	3	26	1	10	Totals,	27	295	27	279
301 days,	-	-	1	3					

PRINTING, PUBLISHING, AND BOOKBINDING. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	32	32	=	=
Number of private firms,	19	20	+1	+5.26
Number of partners,	32	32	=	=
Males,	32	31	—1	—3.13
Females,	-	1	+1	-
Number of corporations,	13	12	—1	—7.69
Number of stockholders,	111	111	=	=
Males,	69	67	—2	—2.90
Females,	16	20	+4	+25.00
Banks, trustees, etc.,	26	24	—2	—7.69
Aggregates: partners and stockholders,	143	143	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$3,426,997	$3,640,634	+$213,637	+6.23

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$939,324	$962,353	+$23,029	+2.45

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$3,596,242	$3,809,237	+$212,995	+5.92

PRINTING, PUBLISHING, AND BOOKBINDING — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	1,763	1,801	+38	+2.16
Smallest number,	1,616	1,664	+48	+2.97
Greatest number,	1,961	1,964	+3	+0.15
Excess of greatest over smallest number,	345	300	—45	—13.04
Averages.				
Average number employed in each establishment,	55	56	+1	+1.82
Smallest number,	51	52	+1	+1.96
Greatest number,	61	61	*=	*=
Excess of greatest over smallest number,	10	9	—1	—10.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	1,188	591	1,779	1,258	554	1,812
February,	1,184	536	1,720	1,237	551	1,788
March,	1,188	528	1,716	1,255	547	1,802
April,	1,193	515	1,708	1,257	539	1,796
May,	1,221	520	1,741	1,243	542	1,785
June,	1,236	542	1,778	1,241	534	1,775
July,	1,263	510	1,773	1,238	533	1,771
August,	1,225	500	1,725	1,224	508	1,732
September,	1,249	534	1,783	1,243	524	1,767
October,	1,242	535	1,777	1,250	565	1,815
November,	1,235	554	1,789	1,268	560	1,828
December,	1,265	584	1,849	1,301	600	1,901
During the entire year,*	99	39	138	79	31	110

* 11 establishments in 1891; 8 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$964,900	$992,864	+$27,964	+2.90
Average yearly earnings,	547.31	551.28	+3.97	+0.73

— Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	175	170	345	177	179	356
$5 but under $6,	77	78	155	80	87	167
$6 but under $7,	64	113	177	54	100	154
$7 but under $8,	50	100	150	58	89	147
$8 but under $9,	61	69	130	48	70	118
$9 but under $10,	72	35	107	69	30	99
$10 but under $12,	122	43	165	131	41	172
$12 but under $15,	159	18	177	169	24	193
$15 but under $20,	293	9	302	292	8	300
$20 and over,	251	3	254	262	3	265
Totals,	1,324	638	1,962	1,340	631	1,971

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
30 per cent,	1	-	66 per cent,	1	-	85 per cent,	1	1
34 per cent,	1	-	67 per cent,	1	1	90 per cent,	2	3
35 per cent,	1	-	70 per cent,	2	1	91 per cent,	1	-
45 per cent,	3	1	71 per cent,	-	1	95 per cent,	-	1
50 per cent,	5	9	75 per cent,	2	2	100 per cent,	4	7
55 per cent,	-	1	80 per cent,	4	1			
60 per cent,	3	3				Totals,	32	32

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
98 days,	1	10	-	-	304 days,	1	4	-	-
244 days,	-	-	1	16	305 days,	2	448	3	498
280 days,	1	11	-	-	306 days,	21	1,049	21	972
295 days,	1	57	-	-	307 days,	-	-	1	26
300 days,	3	103	3	135	308 days,	1	28	-	-
302 days,	1	53	3	154	Totals,	32	1,763	32	1,801

PRINT WORKS, DYE WORKS, AND BLEACHERIES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	46	46	=	=
Number of private firms,	31	31	=	=
Number of partners,	42	43	+1	+2.38
Males,	36	38	+2	+5.56
Females,	4	3	—1	—25.00
Special,	2	2	=	=
Number of corporations,	15	15	=	=
Number of stockholders,	1,315	1,543	+228	+17.34
Males,	541	617	+76	+14.05
Females,	452	474	+22	+4.87
Banks, trustees, etc.,	322	452	+130	+40.37
Aggregates: partners and stockholders,	1,357	1,586	+229	+16.88

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$12,964,422	$15,925,606	+$2,961,184	+22.84

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$12,525,200	$14,634,411	+$2,109,211	+16.84

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$18,095,106	$21,000,181	+$2,905,075	+16.05

PRINT WORKS, DYE WORKS, AND BLEACHERIES — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	5,432	6,021	+589	+10.84
Smallest number,	5,393	5,370	—23	—0.43
Greatest number,	6,321	6,525	+204	+3.23
Excess of greatest over smallest number,	928	1,155	+227	+24.46
Averages.				
Average number employed in each establishment,	118	131	+13	+11.02
Smallest number,	117	117	*=	*=
Greatest number,	137	164	+27	+19.71
Excess of greatest over smallest number,	20	47	+27	+135.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	4,460	1,240	5,700	4,664	1,250	5,914
February,	4,537	1,284	5,821	4,759	1,256	6,015
March,	4,181	1,117	5,298	4,796	1,298	6,094
April,	4,212	1,146	5,358	4,653	1,324	5,977
May,	4,075	1,133	5,208	4,656	1,309	5,965
June,	4,014	1,094	5,108	4,715	1,320	6,035
July,	4,135	1,071	5,206	4,518	1,255	5,773
August,	4,262	1,089	5,351	4,736	1,295	6,031
September,	4,242	1,127	5,369	4,774	1,318	6,092
October,	4,283	1,148	5,431	4,802	1,330	6,132
November,	4,293	1,092	5,385	4,765	1,303	6,068
December,	4,695	1,258	5,953	4,723	1,269	5,992
During the entire year,*	105	22	127	122	25	147

* 6 establishments in 1891; 8 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$2,325,011	$2,609,007	+$283,996	+12.21
Average yearly earnings,	428.62	433.32	+5.30	+1.24

PRINT WORKS, DYE WORKS, AND BLEACHERIES — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	531	243	774	659	312	971
$5 but under $6,	171	280	451	205	333	538
$6 but under $7,	492	395	887	611	513	1,124
$7 but under $8,	1,130	160	1,290	1,211	168	1,379
$8 but under $9,	546	78	624	629	61	690
$9 but under $10,	592	43	635	630	47	677
$10 but under $12,	371	27	398	396	25	421
$12 but under $15,	280	5	285	319	4	323
$15 but under $20,	206	1	207	172	2	174
$20 and over,	251	-	251	244	-	244
Totals,	4,570	1,232	5,802	5,076	1,465	6,541

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
15 per cent,	1	1	60 per cent,	2	2	80 per cent,	2	1
25 per cent,	4	2	65 per cent,	2	-	82 per cent,	2	-
30 per cent,	-	1	66 per cent,	-	1	85 per cent,	-	2
33 per cent,	1	1	67 per cent,	1	1	90 per cent,	5	4
37 per cent,	-	1	70 per cent,	2	3	95 per cent,	1	1
40 per cent,	-	1	75 per cent,	6	8	100 per cent,	6	8
50 per cent,	11	7	78 per cent,	-	1	Totals,	46	46

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
76 days,	1	156	-	-	294 days,	-	-	1	89
127 days,	-	-	1	2	295 days,	-	-	2	134
150 days,	1	-	1	-	298 days,	-	-	1	149
158 days,	-	-	1	50	299 days,	1	816	-	-
200 days,	-	-	1	3	300 days,	13	1,201	7	1,151
203 days,	1	9	-	-	301 days,	1	436	-	-
250 days,	1	7	1	6	302 days,	2	583	-	-
270 days,	1	2	-	-	303 days,	1	268	-	-
275 days,	2	117	-	-	304 days,	1	165	-	-
276 days,	1	35	1	10	305 days,	2	18	4	1,245
278 days,	-	-	1	516	306 days,	11	230	14	1,077
280 days,	1	162	2	15	307 days,	1	248	1	655
284 days,	1	55	-	-	308 days,	-	-	1	458
285 days,	1	15	1	164	310 days,	1	8	1	6
287 days,	-	-	1	47	313 days,	1	901	-	-
290 days,	-	-	1	4					
293 days,	-	-	2	240	Totals,	46	5,432	46	6,021

RAILROAD CONSTRUCTION AND EQUIPMENT. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	14	14	=	=
Number of private firms,	2	2	=	=
Number of partners,	3	3	=	=
Males,	3	3	=	=
Number of corporations,	12	12	=	=
Number of stockholders,	40	40	=	=
Males,	21	21	=	=
Females,	7	7	=	=
Banks, trustees, etc.,	2	2	=	=
Railroads,	10	10	=	=
Aggregates: partners and stockholders,	43	43	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,765,000	$1,777,000	+$12,000	+0.68

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,091,335	$2,226,418	+$135,083	+6.46

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$3,959,211	$4,275,835	+$316,624	+8.00

RAILROAD CONSTRUCTION AND EQUIPMENT — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	2,709	2,971	+262	+9.67
Smallest number,	2,321	2,557	+236	+10.17
Greatest number,	3,121	3,288	+167	+5.35
Excess of greatest over smallest number,	800	731	—69	—8.63
Averages.				
Average number employed in each establishment,	194	212	+18	+9.28
Smallest number,	166	183	+17	+10.24
Greatest number,	223	235	+12	+5.38
Excess of greatest over smallest number,	57	52	—5	—8.77

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	2,887	-	2,887	2,791	-	2,791
February,	2,833	-	2,833	2,957	-	2,957
March,	2,792	-	2,792	3,031	-	3,031
April,	2,746	-	2,746	3,036	-	3,036
May,	2,715	-	2,715	3,078	-	3,078
June,	2,615	-	2,615	3,005	-	3,005
July,	2,546	-	2,546	2,964	-	2,964
August,	2,547	-	2,547	2,814	-	2,814
September,	2,565	-	2,565	2,842	-	2,842
October,	2,682	-	2,682	2,983	-	2,983
November,	2,756	-	2,756	3,061	-	3,061
December,	2,839	-	2,839	3,065	-	3,065

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$1,599,758	$1,783,725	+$183,967	+11.50
Average yearly earnings,	590.53	600.38	+9.85	+1.67

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	18	-	18	22	-	22
$5 but under $6,	7	-	7	11	-	11
$6 but under $7,	53	-	53	48	-	48
$7 but under $8,	105	-	105	68	-	68
$8 but under $9,	164	-	164	143	-	143
$9 but under $10,	574	-	574	571	-	571
$10 but under $12,	516	-	516	559	-	559
$12 but under $15,	1,330	-	1,330	1,337	-	1,337
$15 but under $20,	518	-	518	508	-	508
$20 and over,	32	-	32	44	-	44
Totals,	3,317	-	3,317	3,311	-	3,311

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
47 per cent,	1	1	75 per cent,	1	-	95 per cent,	-	1
50 per cent,	1	-	80 per cent,	2	2	100 per cent,	8	8
60 per cent,	-	1	90 per cent,	1	1	Totals,	14	14

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
234 days,	1	82	-	-	305 days,	2	454	3	346
290 days,	1	763	-	-	306 days,	-	-	3	612
294 days,	2	110	1	104	309 days,	-	-	1	260
295 days,	2	359	4	1,281	310 days,	1	255	-	-
302 days,	-	-	1	150					
303 days,	2	386	-	-	Totals,	14	2,709	14	2,971
304 days,	3	300	1	218					

RUBBER AND ELASTIC GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	33	33	=	=
Number of private firms,	19	17	—2	—10.53
Number of partners,	34	30	—4	—11.76
Males,	33	29	—4	—12.12
Females,	1	1	=	=
Number of corporations,	14	16	+2	+14.29
Number of stockholders,	735	719	—16	—2.18
Males,	412	389	—23	—5.58
Females,	270	270	=	=
Banks, trustees, etc.,	53	60	+7	+13.21
Aggregates: partners and stockholders,	769	749	—20	—2.60

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$12,379,013	$10,629,092	—$1,749,921	—14.14

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$10,990,067	$11,491,217	+$501,150	+4.56
Rubber, old	174,640	270,275	+95,635	+54.76
Rubber, Pará	3,982,085	3,879,081	—103,004	—2.59
Thread, rubber	222,712	205,098	—17,614	—7.91
Not classified in detail,	6,610,630	7,136,763	+526,133	+7.96

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Rubber, old	100 pounds	42,989	67,189	+24,250	+56.48
Rubber, Pará	100 pounds	65,556	73,479	+7,923	+12.09
Thread, rubber	100 pounds	1,625	1,651	+26	+1.60

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Rubber, old	100 pounds	$4.07	$4.02	—$0.05	—1.23
Rubber, Pará	100 pounds	60.74	52.79	—7.95	—13.09
Thread, rubber	100 pounds	137.05	124.23	—12.82	—9.35

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done, .	$18,855,920	$20,300,517	+$1,444,597	+7.66

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number, ...	6,404	6,850	+446	+6.96
Smallest number, ...	5,781	6,116	+335	+5.79
Greatest number, ...	6,928	7,513	+585	+8.44
Excess of greatest over smallest number, .	1,147	1,397	+250	+21.80
Averages.				
Average number employed in each establishment, ...	194	208	+14	+7.22
Smallest number, ...	175	185	+10	+5.71
Greatest number, ...	210	228	+18	+8.57
Excess of greatest over smallest number, .	35	43	+8	+22.86

RUBBER AND ELASTIC GOODS — 1891, 1892 — Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	3,776	2,458	6,234	4,133	2,369	6,502
February,	3,682	2,391	6,073	4,185	2,420	6,605
March,	3,748	2,384	6,132	4,196	2,456	6,652
April,	3,822	2,372	6,194	4,333	2,536	6,869
May,	3,996	2,319	6,315	4,268	2,253	6,521
June,	3,962	2,470	6,432	4,337	2,407	6,744
July,	3,980	2,486	6,466	4,408	2,482	6,890
August,	4,004	2,414	6,418	4,417	2,401	6,818
September,	4,078	2,476	6,554	4,451	2,526	6,977
October,	4,100	2,528	6,628	4,536	2,611	7,147
November,	4,134	2,592	6,726	4,535	2,700	7,235
December,	4,144	2,535	6,679	4,518	2,709	7,227
During the entire year,*	112	242	354	117	263	380

* 5 establishments in 1891; 7 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$2,793,252	$2,882,488	+$89,236	+3.19
Average yearly earnings,	436.17	420.80	—15.37	—3.52

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	166	451	617	172	395	567
$5 but under $6,	123	281	404	125	258	383
$6 but under $7,	144	390	534	184	396	580
$7 but under $8,	395	540	935	481	471	952
$8 but under $9,	519	421	940	524	399	923
$9 but under $10,	748	330	1,078	857	433	1,290
$10 but under $12,	639	226	865	685	318	1,003
$12 but under $15,	791	127	918	878	58	936
$15 but under $20,	589	5	594	619	11	630
$20 and over,	90	–	90	81	–	81
Totals,	4,204	2,771	6,975	4,606	2,739	7,345

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
25 per cent, .	4	2	67 per cent, .	-	1	93 per cent, .	1	-
30 per cent, .	1	1	70 per cent, .	-	1	94 per cent, .	-	1
35 per cent, .	1	1	75 per cent, .	7	1	95 per cent, .	3	2
45 per cent, .	1	-	80 per cent, .	2	4	100 per cent, .	2	7
50 per cent, .	4	3	85 per cent, .	3	4			
65 per cent, .	-	2	90 per cent, .	4	3	Totals, .	33	33

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
165 days, .	1	6	-	-	280 days, .	2	325	-	-
200 days, .	1	8	-	-	282 days, .	-	-	1	9
215 days, .	1	22	-	-	284 days, .	1	1,180	-	-
227 days, .	-	-	1	55	285 days, .	-	-	1	326
229 days, .	-	-	1	52	294 days, .	-	-	1	37
230 days, .	-	-	1	3	299 days, .	2	43	1	16
238 days, .	-	-	1	1,112	300 days, .	8	1,061	11	1,560
245 days, .	1	15	-	-	305 days, .	1	130	1	123
256 days, .	1	58	-	-	306 days, .	5	438	5	94
263 days, .	-	-	2	2,657	307 days, .	1	54	2	491
265 days, .	1	241	-	-	308 days, .	1	1	1	92
269 days, .	1	192	-	-	310 days, .	2	122	1	67
273 days, .	1	2,426	-	-	313 days, .	-	-	1	17
276 days, .	1	51	1	139					
277 days, .	1	11	-	-	Totals, .	33	6,404	33	6,850

SCIENTIFIC INSTRUMENTS AND APPLIANCES.
1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	20	20	=	=
Number of private firms,	15	15	=	=
Number of partners,	25	25	=	=
Males,	23	23	=	=
Females,	2	2	=	=
Number of corporations,	5	5	=	=
Number of stockholders,	95	92	—3	—3.16
Males,	86	79	—7	—8.14
Females,	8	8	=	=
Banks, trustees, etc.,	1	5	+4	+400.00
Aggregates: partners and stockholders,	120	117	—3	—2.50

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,469,973	$1,578,999	+$109,026	+7.42

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$753,221	$899,330	+$146,109	+19.40

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,636,041	$1,815,039	+$178,998	+10.94

— Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	1,173	1,194	+21	+1.79
Smallest number,	1,036	1,028	−8	−0.77
Greatest number,	1,340	1,364	+24	+1.79
Excess of greatest over smallest number,	304	336	+32	+10.56
Averages.				
Average number employed in each establishment,	59	60	+1	+1.69
Smallest number,	52	51	−1	−1.92
Greatest number,	67	68	+1	+1.49
Excess of greatest over smallest number,	15	17	+2	+13.33

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	956	154	1,110	982	161	1,143
February,	1,025	157	1,182	1,005	158	1,163
March,	1,052	159	1,211	1,006	165	1,171
April,	1,075	148	1,223	1,056	176	1,232
May,	1,055	139	1,194	1,072	172	1,244
June,	1,080	138	1,218	1,068	168	1,236
July,	1,060	153	1,213	1,093	165	1,258
August,	1,012	152	1,164	1,054	159	1,213
September,	1,009	157	1,166	1,016	159	1,175
October,	993	159	1,152	1,015	168	1,183
November,	1,005	156	1,161	1,036	169	1,205
December,	955	152	1,107	1,046	175	1,221
During the entire year,*	9	2	11	17	2	19

* 4 establishments in 1891; 5 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$516,463	$531,518	+$15,055	+2.92
Average yearly earnings,	440.29	445.16	+4.87	+1.11

SCIENTIFIC INSTRUMENTS AND APPLIANCES — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	120	70	190	119	72	191
$5 but under $6,	109	46	155	75	34	109
$6 but under $7,	109	25	134	102	54	156
$7 but under $8,	99	14	113	120	13	133
$8 but under $9,	122	6	128	97	5	102
$9 but under $10,	136	5	141	147	6	153
$10 but under $12,	155	3	158	131	2	133
$12 but under $15,	176	1	177	162	2	164
$15 but under $20,	96	-	96	161	3	164
$20 and over,	31	-	31	39	4	43
Totals,	1,153	170	1,323	1,153	195	1,348

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
20 per cent,	2	1	60 per cent,	1	2	80 per cent,	3	2
25 per cent,	1	1	65 per cent,	1	1	85 per cent,	-	1
28 per cent,	-	1	67 per cent,	1	-	100 per cent,	4	3
50 per cent,	5	5	75 per cent,	2	3	Totals,	20	20

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
78 days,	1	-	1	-	302 days,	2	9	1	3
250 days,	1	3	-	-	303 days,	1	773	-	-
258 days,	-	-	1	25	304 days,	2	82	2	81
260 days,	-	-	1	4	305 days,	-	-	1	77
271 days,	-	-	1	19	306 days,	4	84	7	46
280 days,	1	2	-	-	307 days,	-	-	1	95
285 days,	2	44	-	-	308 days,	-	-	1	18
286 days,	-	-	1	4	310 days,	1	104	-	-
292 days,	1	20	-	-					
300 days,	4	52	1	38	Totals,	20	1,173	20	1,194
301 days,	-	-	1	784					

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	42	42	=	=
Number of private firms,	39	39	=	=
Number of partners,	57	57	=	=
Males,	56	56	=	=
Special,	1	1	=	=
Number of corporations,	3	3	=	=
Number of stockholders,	56	55	—1	—1.78
Males,	38	39	+1	+2.63
Females,	15	15	=	=
Banks, trustees, etc,	3	1	—2	—66.67
Aggregates: partners and stockholders,	113	112	—1	—0.88

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$971,900	$908,562	—$63,338	—6.52

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$512,312	$491,289	—$21,023	—4.10

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$1,497,171	$1,348,242	—$148,929	—9.95

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	766	741	—25	—3.26
Smallest number,	489	453	—36	—7.36
Greatest number,	1,187	1,110	—77	—6.49
Excess of greatest over smallest number,	698	657	—41	—5.87
Averages.				
Average number employed in each establishment,	18	18	*=	*=
Smallest number,	12	11	—1	—8.33
Greatest number,	28	26	—2	—7.14
Excess of greatest over smallest number,	16	15	—1	—6.25

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	772	-	772	686	-	686
February,	720	-	720	663	-	663
March,	876	-	876	734	-	734
April,	913	-	913	821	-	821
May,	976	-	976	808	-	808
June,	814	-	814	770	-	770
July,	737	-	737	696	-	696
August,	674	-	674	651	-	651
September,	684	-	684	670	-	670
October,	677	-	677	718	-	718
November,	662	-	662	790	-	790
December,	649	-	649	849	-	849
During the entire year,*	64	-	64	45	-	45

* 6 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$520,091	$503,940	—$16,151	—3.11
Average yearly earnings,	678.97	680.06	+1.11	+0.16

SHIPBUILDING — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	29	–	29	36	–	36
$5 but under $6,	11	–	11	15	–	15
$6 but under $7,	11	–	11	19	–	19
$7 but under $8,	13	–	13	51	–	51
$8 but under $9,	49	–	49	49	–	49
$9 but under $10,	45	–	45	88	–	88
$10 but under $12,	178	–	178	170	–	170
$12 but under $15,	297	–	297	251	–	251
$15 but under $20,	466	–	466	407	–	407
$20 and over,	167	–	167	101	–	101
Totals,	1,266	–	1,266	1,187	–	1,187

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	–	1	38 per cent,	1	1	71 per cent,	1	–
12 per cent,	–	1	40 per cent,	1	2	72 per cent,	–	1
15 per cent,	1	–	50 per cent,	12	13	75 per cent,	6	6
20 per cent,	1	2	58 per cent,	1	–	79 per cent,	1	–
25 per cent,	5	5	60 per cent,	4	3	80 per cent,	–	1
30 per cent,	1	1	65 per cent,	1	–	90 per cent,	1	–
33 per cent,	–	1	66 per cent,	–	1	100 per cent,	3	2
35 per cent,	–	1	67 per cent,	1	–	Totals,	42	42
37 per cent,	1	–						

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
75 days,	1	1	1	–	240 days,	–	–	1	16
78 days,	–	–	1	–	250 days,	1	1	–	–
120 days,	1	3	1	2	251 days,	1	22	–	–
125 days,	–	–	1	1	260 days,	2	5	1	3
126 days,	1	1	–	–	270 days,	1	8	–	–
140 days,	–	–	1	4	271 days,	1	41	–	–
150 days,	1	1	–	–	280 days,	1	7	2	14
180 days,	2	6	2	7	289 days,	–	–	1	65
182 days,	–	–	1	1	290 days,	1	5	–	–
200 days,	1	9	2	15	300 days,	4	76	4	52
204 days,	1	–	–	–	303 days,	1	3	1	3
210 days,	–	–	1	7	305 days,	1	84	–	–
231 days,	–	–	1	–	306 days,	19	488	20	551
233 days,	1	5	–	–	Totals,	42	766	42	741

SILK AND SILK GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	11	11	=	=
Number of private firms,	4	4	=	=
Number of partners,	6	6	=	=
Males,	5	5	=	=
Females,	1	1	=	=
Number of corporations,	7	7	=	=
Number of stockholders,	240	246	+6	+2.50
Males,	187	197	+10	+5.35
Females,	47	47	=	=
Banks, trustees, etc.,	6	2	—4	—66.67
Aggregates: partners and stockholders,	246	252	+6	+2.44

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$2,336,717	$2,325,741	—$10,976	—0.47

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$3,139,993	$3,132,542	—$7,451	—0.24
Silk, raw	2,544,226	2,497,694	—46,532	—1.83
Yarn, mohair	72,451	75,817	+3,366	+4.65
Not classified in detail,	523,316	559,031	+35,715	+6.82

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Silk, raw	pounds	664,396	664,021	—375	—0.06
Yarn, mohair	pounds	42,620	35,754	—6,866	—16.11

SILK AND SILK GOODS — 1891, 1892 — Continued.

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Silk, raw	pounds	$3.83	$3.76	—$0.07	—1.83
Yarn, mohair	pounds	1.70	2.12	+0.42	+24.71

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done, .	$4,688,054	$4,940,228	+$252,174	+5.38

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number, ...	2,312	2,331	+19	+0.82
Smallest number, ...	2,163	2,180	+17	+0.79
Greatest number, ...	2,420	2,479	+59	+2.44
Excess of greatest over smallest number, .	257	299	+42	+16.34
Averages.				
Average number employed in each establishment, ...	210	212	+2	+0.95
Smallest number, ...	197	198	+1	+0.51
Greatest number, ...	220	225	+5	+2.27
Excess of greatest over smallest number, .	23	27	+4	+17.39

SILK AND SILK GOODS — 1891, 1892 — Continued.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	714	1,585	2,299	663	1,587	2,250
February,	736	1,573	2,309	681	1,591	2,272
March,	734	1,609	2,343	713	1,610	2,323
April,	741	1,609	2,350	707	1,635	2,342
May,	722	1,597	2,319	710	1,652	2,362
June,	713	1,581	2,294	702	1,601	2,303
July,	719	1,546	2,265	707	1,601	2,308
August,	723	1,524	2,247	709	1,537	2,246
September,	727	1,566	2,293	707	1,613	2,320
October,	740	1,606	2,346	715	1,665	2,380
November,	744	1,622	2,366	731	1,713	2,444
December,	746	1,574	2,320	725	1,699	2,424
During the entire year,*	4	26	30	10	43	53

* 1 establishment in 1891; 2 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$809,073	$795,385	—$13,688	—1.69
Average yearly earnings,	349.95	341.22	—8.73	—2.49

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	63	303	366	70	353	423
$5 but under $6,	63	592	655	78	524	602
$6 but under $7,	53	379	432	96	371	467
$7 but under $8,	64	100	164	57	129	186
$8 but under $9,	51	70	121	62	64	126
$9 but under $10,	100	68	168	80	68	148
$10 but under $12,	158	153	311	101	147	248
$12 but under $15,	91	1	92	134	22	156
$15 but under $20,	82	–	82	78	1	79
$20 and over,	24	–	24	30	–	30
Totals,	749	1,666	2,415	786	1,679	2,465

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
13 per cent, .	-	1	67 per cent, .	1	-	90 per cent, .	1	1
15 per cent, .	1	-	75 per cent, .	-	1	95 per cent, .	1	1
33 per cent, .	1	1	78 per cent, .	1	1	100 per cent, .	4	4
66 per cent, .	-	1	80 per cent, .	1	-	Totals, .	11	11

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
286 days, .	1	466	-	-	301 days, .	1	72	-	-
287 days, .	1	438	-	-	305 days, .	-	-	1	6
295 days, .	-	-	3	289	306 days, .	3	801	2	727
296 days, .	2	343	-	-	308 days, .	1	8	-	-
297 days, .	-	-	1	449					
300 days, .	2	184	4	860	Totals, .	11	2,312	11	2,331

SPORTING AND ATHLETIC GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	10	10	=	=
Number of private firms,	8	8	=	=
Number of partners,	9	9	=	=
Males,	9	9	=	=
Number of corporations,	2	2	=	=
Number of stockholders,	8	8	=	=
Males,	7	7	=	=
Females,	1	1	=	=
Aggregates: partners and stockholders,	17	17	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$328,382	$332,763	+$4,381	+1.33

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$225,729	$269,586	+$43,857	+19.43

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$485,043	$551,763	+$66,720	+13.76

SPORTING AND ATHLETIC GOODS—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	506	533	+27	+5.34
Smallest number,	269	257	−12	−4.46
Greatest number,	707	758	+51	+7.21
Excess of greatest over smallest number,	438	501	+63	+14.38
Averages.				
Average number employed in each establishment,	51	53	+2	+3.92
Smallest number,	27	26	−1	−3.70
Greatest number,	71	76	+5	+7.04
Excess of greatest over smallest number,	44	50	+6	+13.64

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	326	247	573	336	198	534
February,	305	250	555	322	200	522
March,	315	258	573	333	200	533
April,	319	258	577	343	197	540
May,	324	252	576	349	246	595
June,	322	244	566	330	245	575
July,	280	239	519	329	231	560
August,	301	186	487	373	181	554
September,	340	44	384	409	40	449
October,	354	44	398	450	40	490
November,	391	46	437	468	45	513
December,	390	50	440	473	45	518
During the entire year,*	66	17	83	2	9	11

* 2 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$172,105	$200,322	+$28,217	+16.40
Average yearly earnings,	340.13	375.84	+35.71	+10.50

SPORTING AND ATHLETIC GOODS — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	50	212	262	51	208	259
$5 but under $6,	14	1	15	34	1	35
$6 but under $7,	39	38	77	39	31	70
$7 but under $8,	50	6	56	47	2	49
$8 but under $9,	26	-	26	42	1	43
$9 but under $10,	79	-	79	71	-	71
$10 but under $12,	65	-	65	87	-	87
$12 but under $15,	85	1	86	77	-	77
$15 but under $20,	28	-	28	48	-	48
$20 and over,	15	-	15	18	-	18
Totals,	451	258	709	514	243	757

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	1	-	46 per cent,	-	1	90 per cent,	1	2
33 per cent,	1	1	50 per cent,	3	3	100 per cent,	1	1
40 per cent,	-	1	67 per cent,	-	1			
42 per cent,	1	-	75 per cent,	2	-	Totals,	10	10

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
255 days,	-	-	1	9	304 days,	-	-	1	81
270 days,	1	10	-	-	306 days,	4	326	5	424
277 days,	1	1	-	-	307 days,	1	85	-	-
290 days,	1	62	-	-	310 days,	1	2	-	-
300 days,	1	20	3	19	Totals,	10	506	10	533

STONE. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	193	193	=	=
Number of private firms,	179	178	—1	—0.56
Number of partners,	296	289	—7	—2.36
Males,	289	279	—10	—3.46
Females,	7	7	=	=
Special,	-	3	+3	-
Number of corporations,	14	15	+1	+7.14
Number of stockholders,	399	413	+14	+3.51
Males,	268	295	+27	+10.07
Females,	113	108	—5	—4.42
Banks, trustees, etc.,	18	10	—8	—44.44
Aggregates: partners and stockholders,	695	702	+7	+1.01

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$3,563,220	$3,846,820	+$283,600	+7.96

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$1,189,573	$1,142,111	—$47,462	—3.99

STONE — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done, .	$5,196,117	$4,691,803	—$504,314	—9.71

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number, ...	4,619	3,917	—702	—15.20
Smallest number, ...	3,363	2,165	—1,198	—35.62
Greatest number, ...	6,052	5,814	—238	—3.93
Excess of greatest over smallest number, .	2,689	3,649	+960	+35.70
Averages.				
Average number employed in each establishment, ...	24	20	—4	—16.67
Smallest number, ...	17	11	—6	—35.29
Greatest number, ...	31	30	—1	—3.23
Excess of greatest over smallest number, .	14	19	+5	+35.71

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January, ...	3,679	-	3,679	3,732	-	3,732
February, ...	3,769	-	3,769	3,814	-	3,814
March, ...	3,970	-	3,970	4,110	-	4,110
April, ...	4,557	-	4,557	4,780	-	4,780
May, ...	4,762	-	4,762	3,452	-	3,452
June, ...	4,889	-	4,889	2,766	-	2,766
July, ...	5,061	-	5,061	3,100	-	3,100
August, ...	5,325	-	5,325	3,509	-	3,509
September, ...	5,369	-	5,369	3,888	-	3,888
October, ...	5,056	-	5,056	4,873	-	4,873
November, ...	4,727	-	4,727	4,635	-	4,635
December, ...	4,078	-	4,078	4,165	-	4,165
During the entire year,* . .	514	-	514	306	-	306

* 29 establishments in 1891; 16 establishments in 1892.

STONE — 1891, 1892 — Continued.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages, ...	$2,588,455	$2,169,267	—$419,188	—16.19
Average yearly earnings, ...	560.39	553.81	—6.58	—1.17

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5, ...	139	-	139	113	-	113
$5 but under $6, ...	172	-	172	155	-	155
$6 but under $7, ...	159	-	159	174	-	174
$7 but under $8, ...	203	-	203	184	-	184
$8 but under $9, ...	204	-	204	213	-	213
$9 but under $10, ...	506	-	506	432	-	432
$10 but under $12, ...	1,222	-	1,222	1,197	-	1,197
$12 but under $15, ...	1,072	-	1,072	1,037	-	1,037
$15 but under $20, ...	1,627	-	1,627	1,574	-	1,574
$20 and over, ...	426	-	426	273	-	273
Totals, ...	5,730	-	5,730	5,352	-	5,352

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
5 per cent, .	-	2	44 per cent, .	-	1	70 per cent, .	6	3
10 per cent, .	1	5	45 per cent, .	1	2	72 per cent, .	2	-
15 per cent, .	2	-	50 per cent, .	46	40	75 per cent, .	25	39
20 per cent, .	4	6	52 per cent, .	1	-	78 per cent, .	-	1
23 per cent, .	-	1	55 per cent, .	1	-	80 per cent, .	13	8
25 per cent, .	15	20	56 per cent, .	-	1	85 per cent, .	7	2
30 per cent, .	5	5	58 per cent, .	-	1	87 per cent, .	-	1
33 per cent, .	3	3	60 per cent, .	10	11	90 per cent, .	7	6
34 per cent, .	1	-	61 per cent, .	1	-	95 per cent, .	2	-
35 per cent, .	1	4	64 per cent, .	1	-	96 per cent, .	1	-
37 per cent, .	1	-	65 per cent, .	1	4	98 per cent, .	1	-
40 per cent, .	1	6	66 per cent, .	1	2	100 per cent, .	28	16
42 per cent, .	-	1	67 per cent, .	4	2	Totals, .	193	193

STONE — 1891, 1892 — Concluded.

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
80 days,	1	-	-	-	257 days,	2	9	1	1
90 days,	-	-	1	-	258 days,	1	5	2	100
96 days,	1	1	-	-	260 days,	4	72	-	-
105 days,	1	4	-	-	264 days,	1	13	-	-
130 days,	-	-	2	18	265 days,	-	-	2	52
147 days,	1	2	-	-	266 days,	1	5	1	31
150 days,	-	-	3	14	267 days,	1	11	-	-
153 days,	1	5	1	4	269 days,	-	-	1	12
154 days,	-	-	1	1	270 days,	3	66	-	-
155 days,	-	-	1	2	272 days,	-	-	1	5
158 days,	-	-	1	4	275 days,	9	313	5	182
160 days,	-	-	3	52	276 days,	1	1	1	44
168 days,	-	-	1	7	278 days,	1	2	1	5
175 days,	-	-	7	105	280 days,	7	237	4	36
179 days,	-	-	1	3	282 days,	1	74	-	-
181 days,	1	18	1	14	283 days,	-	-	1	19
196 days,	-	-	3	49	284 days,	2	34	3	30
200 days,	4	73	8	268	285 days,	6	102	3	125
204 days,	1	17	-	-	286 days,	-	-	1	7
208 days,	-	-	1	13	287 days,	-	-	1	3
210 days,	-	-	3	34	288 days,	-	-	1	45
212 days,	-	-	1	22	289 days,	1	13	-	-
215 days,	1	29	1	19	290 days,	3	313	7	338
216 days,	-	-	1	25	291 days,	2	59	2	27
220 days,	-	-	1	1	292 days,	-	-	2	44
224 days,	1	13	-	-	294 days,	5	159	1	23
225 days,	1	8	6	54	295 days,	3	126	3	50
228 days,	1	15	2	22	296 days,	1	25	2	80
230 days,	1	4	3	64	297 days,	3	85	-	-
231 days,	1	11	-	-	300 days,	28	820	27	333
235 days,	1	14	1	3	301 days,	1	47	-	-
236 days,	-	-	1	15	302 days,	-	-	2	45
239 days,	3	14	1	2	303 days,	1	14	-	-
240 days,	4	98	3	60	304 days,	-	-	2	166
242 days,	-	-	1	11	305 days,	3	83	2	19
243 days,	1	9	-	-	306 days,	57	1,212	46	991
246 days,	-	-	1	7	307 days,	1	110	-	-
250 days,	10	129	3	95	309 days,	-	-	1	30
252 days,	2	53	-	-	310 days,	-	-	1	4
253 days,	1	28	-	-	313 days,	3	50	1	14
255 days,	1	7	1	73					
256 days,	1	7	-	-	Totals,	193	4,619	193	3,917

STRAW AND PALM LEAF GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	18	18	=	=
Number of private firms,	16	16	=	=
Number of partners,	37	36	—1	—2.70
Males,	36	35	—1	—2.78
Females,	1	1	=	=
Number of corporations,	2	2	=	=
Number of stockholders,	13	15	+2	+15.38
Males,	8	10	+2	+25.00
Females,	5	5	=	=
Aggregates: partners and stockholders,	50	51	+1	+2.00

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,558,214	$1,835,135	+$276,921	+17.77

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,398,646	$2,333,747	—$64,899	—2.71

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$4,522,291	$4,474,846	—$47,445	—1.05

STRAW AND PALM LEAF GOODS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	2,318	2,352	+34	+1.47
Smallest number,	447	568	+121	+27.07
Greatest number,	3,931	3,979	+48	+1.22
Excess of greatest over smallest number,	3,484	3,411	—73	—2.10
Averages.				
Average number employed in each establishment,	129	131	+2	+1.55
Smallest number,	25	32	+7	+28.00
Greatest number,	218	221	+3	+1.38
Excess of greatest over smallest number,	193	189	—4	—2.07

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	1,183	2,151	3,334	1,159	2,051	3,210
February,	1,279	2,440	3,719	1,256	2,409	3,665
March,	1,276	2,535	3,811	1,260	2,517	3,777
April,	1,262	2,492	3,754	1,227	2,425	3,652
May,	1,143	2,277	3,420	995	2,028	3,023
June,	567	1,006	1,573	544	888	1,432
July,	263	293	556	356	409	765
August,	391	358	749	523	411	934
September,	487	476	963	630	615	1,245
October,	727	765	1,492	787	1,000	1,787
November,	781	993	1,774	871	1,220	2,091
December,	966	1,702	2,668	951	1,706	2,657

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$1,060,896	$1,124,869	+$63,973	+6.03
Average yearly earnings,	457.68	478.26	+20.58	+4.50

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	27	213	240	30	219	249
$5 but under $6,	27	189	216	22	210	232
$6 but under $7,	56	249	305	49	283	332
$7 but under $8,	83	224	307	81	238	319
$8 but under $9,	64	460	524	63	528	591
$9 but under $10,	234	174	408	249	286	535
$10 but under $12,	147	202	349	219	311	530
$12 but under $15,	346	277	623	423	335	758
$15 but under $20,	157	91	248	147	115	262
$20 and over,	32	4	36	39	18	57
Totals,	1,173	2,083	3,256	1,322	2,543	3,865

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
40 per cent,	–	1	70 per cent,	1	2	90 per cent,	3	1
45 per cent,	–	1	75 per cent,	4	4	92 per cent,	–	1
50 per cent,	3	1	80 per cent,	1	2	93 per cent,	–	1
60 per cent,	1	1	83 per cent,	1	1	100 per cent,	2	2
65 per cent,	1	–	85 per cent,	1	–	Totals,	18	18

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
153 days,	1	81	1	86	260 days,	3	328	–	–
165 days,	1	118	–	–	264 days,	1	114	–	–
168 days,	–	–	1	37	270 days,	–	–	1	113
178 days,	–	–	1	145	280 days,	2	156	2	160
196 days,	–	–	1	124	289 days,	–	–	1	144
200 days,	1	41	–	–	295 days,	1	118	–	–
220 days,	–	–	1	21	300 days,	1	187	2	304
225 days,	2	611	–	–	305 days,	1	83	1	64
230 days,	1	231	1	209	306 days,	–	–	2	579
240 days,	1	14	–	–	310 days,	–	–	1	197
250 days,	2	236	1	112					
251 days,	–	–	1	57	Totals,	18	2,318	18	2,352

TALLOW, CANDLES, SOAP, AND GREASE. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (−), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	58	58	=	=
Number of private firms,	55	55	=	=
Number of partners,	78	77	−1	−1.28
Males,	76	76	=	=
Females,	2	1	−1	−50.00
Number of corporations,	3	3	=	=
Number of stockholders,	11	11	=	=
Males,	10	10	=	=
Females,	1	1	=	=
Aggregates: partners and stockholders,	89	88	−1	−1.12

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,693,022	$1,696,435	+$3,413	+0.20

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total value of stock used,	$2,303,722	$2,387,696	+$83,974	+3.65
Bones, green	87,692	98,019	+10,327	+11.78
Grease, rendered	102,642	105,382	+2,740	+2.67
Grease, rough	141,493	122,622	−18,871	−13.34
Leather chips,	36,725	33,200	−3,525	−9.60
Oil, palm	13,578	10,068	−3,510	−25.85
Potash,	14,485	14,537	+52	+0.36
Rosin,	71,209	74,743	+3,534	+4.96
Soda, caustic	118,226	112,636	−5,590	−4.73
Tallow, refined	279,799	262,796	−17,003	−6.08
Tallow, rough	240,908	289,823	+48,915	+20.30
Tallow (not specified),	453,501	460,935	+7,434	+1.64
Not classified in detail,	743,464	802,935	+59,471	+8.00

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Bones, green	tons	5,434¾	6,119¾	+685	+12.60
Grease, rendered	100 pounds	25,100	25,429	+329	+1.31
Grease, rough	100 pounds	50,756	48,091	—2,665	—5.25
Leather chips,	tons	2,625	2,600	—25	—0.95
Oil, palm	100 pounds	2,713	2,011	—702	—25.88
Potash,	100 pounds	3,087	3,072	—15	—0.49
Rosin,	100 pounds	48,875	50,002	+1,127	+2.31
Soda, caustic	100 pounds	36,840	36,322	—518	—1.41
Tallow, refined	100 pounds	50,231	51,552	+1,321	+2.63
Tallow, rough	100 pounds	86,899	98,851	+11,952	+13.75
Tallow (not specified),	100 pounds	118,501	124,984	+6,483	+5.47

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Bones, green	tons	$16.14	$16.02	—$0.12	—0.74
Grease, rendered	100 pounds	4.09	4.14	+0.05	+1.22
Grease, rough	100 pounds	2.79	2.55	—0.24	—8.60
Leather chips,	tons	13.99	12.77	—1.22	—8.72
Oil, palm	100 pounds	5.00	5.01	+0.01	+0.20
Potash,	100 pounds	4.69	4.73	+0.04	+0.85
Rosin,	100 pounds	1.46	1.49	+0.03	+2.05
Soda, caustic	100 pounds	3.21	3.10	—0.11	—3.43
Tallow, refined	100 pounds	5.57	5.10	—0.47	—8.44
Tallow, rough	100 pounds	2.77	2.93	+0.16	+5.78
Tallow (not specified),	100 pounds	3.83	3.69	—0.14	—3.66

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$3,362,939	$3,469,506	+$106,567	+3.17
Grease, curriers'	112,796	74,941	—37,855	—33.56
Grease, rendered	144,645	151,217	+6,572	+4.54
Powder, washing	70,612	69,052	—1,560	—2.21

TALLOW, CANDLES, SOAP, AND GREASE — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES — Concluded.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Soap:				
Fulling,	$168,396	$163,000	—$5,396	—3.20
Hard,	90,493	101,515	+11,022	+12.18
Laundry,	733,919	731,269	—2,650	—0.36
Scouring,	101,685	130,700	+29,015	+28.53
Soft,	42,708	41,020	—1,688	—3.95
Soap (not specified),	804,965	876,385	+71,420	+8.87
Tallow, rendered	498,650	530,430	+31,780	+6.37
Not classified in detail,	594,070	599,977	+5,907	+0.99

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Grease, curriers'	100 pounds	25,265	15,941	—9,324	—36.90
Grease, rendered	100 pounds	35,860	37,731	+1,871	+5.22
Powder, washing	100 pounds	11,410	9,317	—2,093	—18.34
Soap:					
Fulling,	100 pounds	38,146	38,290	+144	+0.38
Hard,	100 pounds	23,256	26,021	+2,765	+11.89
Laundry,	100 pounds	159,311	156,716	—2,595	—1.63
Scouring,	100 pounds	27,973	35,400	+7,427	+26.55
Soft,	barrels	15,099	14,880	—219	—1.45
Soap (not specified),	100 pounds	149,971	165,972	+16,001	+10.67
Tallow, rendered	100 pounds	105,926	112,191	+6,265	+5.91

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Grease, curriers'	100 pounds	$4.46	$4.70	+$0.24	+5.38
Grease, rendered	100 pounds	4.03	4.01	—0.02	—0.50
Powder, washing	100 pounds	6.19	7.41	+1.22	+19.71
Soap:					
Fulling,	100 pounds	4.41	4.26	—0.15	—3.40
Hard,	100 pounds	3.89	3.90	+0.01	+0.26
Laundry,	100 pounds	4.61	4.67	+0.06	+1.30
Scouring,	100 pounds	3.64	3.69	+0.05	+1.37
Soft,	barrels	2.83	2.76	—0.07	—2.47
Soap (not specified),	100 pounds	5.37	5.28	—0.09	—1.68
Tallow, rendered	100 pounds	4.71	4.73	+0.02	+0.42

TALLOW, CANDLES, SOAP, AND GREASE — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	646	704	+58	+8.98
Smallest number,	574	613	+39	+6.79
Greatest number,	708	787	+79	+11.16
Excess of greatest over smallest number,	134	174	+40	+29.85
Averages.				
Average number employed in each establishment,	11	12	+1	+9.09
Smallest number,	10	11	+1	+10.00
Greatest number,	12	14	+2	+16.67
Excess of greatest over smallest number,	2	3	+1	+50.00

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	582	67	649	525	59	584
February,	582	76	658	537	69	606
March,	573	84	657	556	100	656
April,	571	81	652	574	103	677
May,	580	80	660	607	122	729
June,	577	82	659	612	114	726
July,	572	84	656	621	118	739
August,	567	79	646	618	126	744
September,	567	74	641	614	115	729
October,	562	82	644	619	98	717
November,	554	77	631	631	111	742
December,	542	73	615	627	122	749
During the entire year,*	117	2	119	96	4	100

* 35 establishments in 1891; 27 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$308,182	$329,805	+$21,623	+7.02
Average yearly earnings,	477.06	468.47	—8.59	—1.80

TALLOW, CANDLES, SOAP, AND GREASE—1891, 1892 —Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	28	72	100	23	103	126
$5 but under $6,	10	8	18	16	12	28
$6 but under $7,	14	4	18	13	5	18
$7 but under $8,	41	4	45	49	2	51
$8 but under $9,	55	2	57	79	2	81
$9 but under $10,	162	-	162	142	-	142
$10 but under $12,	155	-	155	153	-	153
$12 but under $15,	94	1	95	108	1	109
$15 but under $20,	39	-	39	41	-	41
$20 and over,	10	-	10	14	-	14
Totals,	608	91	699	638	125	763

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	-	1	50 per cent,	16	13	83 per cent,	-	1
12 per cent,	1	1	60 per cent,	3	3	85 per cent,	5	7
20 per cent,	-	1	62 per cent,	2	2	90 per cent,	2	3
25 per cent,	2	1	67 per cent,	-	1	95 per cent,	1	2
30 per cent,	-	1	70 per cent,	7	2	100 per cent,	5	2
33 per cent,	1	-	75 per cent,	10	10	Totals,	58	58
45 per cent,	-	1	80 per cent,	3	6			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
70 days,	-	-	1	1	302 days,	1	59	1	19
182 days,	-	-	1	1	304 days,	1	3	2	7
200 days,	1	2	1	2	305 days,	-	-	2	19
204 days,	-	-	1	29	306 days,	36	398	23	277
240 days,	-	-	1	5	307 days,	-	-	1	6
276 days,	-	-	1	2	308 days,	-	-	2	61
280 days,	-	-	1	4	309 days,	1	1	-	-
294 days,	1	2	-	-	310 days,	1	10	-	-
298 days,	1	21	-	-	311 days,	-	-	2	11
299 days,	-	-	1	39	312 days,	1	6	-	-
300 days,	14	144	11	161					
301 days,	-	-	1	60	Totals,	58	646	58	704

TOBACCO, SNUFF, AND CIGARS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	42	42	=	=
Number of private firms,	38	37	—1	—2.63
Number of partners,	57	57	=	=
Males,	55	54	—1	—1.82
Females,	1	1	=	=
Special,	-	1	+1	-
Estates,	1	1	=	=
Number of corporations,	4	5	+1	+25.00
Number of stockholders,	39	43	+4	+10.26
Males,	37	40	+3	+8.11
Females,	1	3	+2	+200.00
Banks, trustees, etc.,	1	-	—1	—100.00
Aggregates: partners and stockholders,	96	100	+4	+4.17

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$1,804,605	$1,044,294	—$760,311	—42.13

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$1,244,517	$1,524,285	+$279,768	+22.48
Tobacco, domestic	116,371	157,233	+40,862	+35.11
Tobacco, foreign	636,312	782,084	+145,772	+22.91
Tobacco (not specified),	241,956	299,586	+57,630	+23.82
Not classified in detail,	249,878	285,382	+35,504	+14.21

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Tobacco, domestic	100 pounds	4,756	5,577	+821	+17.26
Tobacco, foreign	100 pounds	5,977	7,130	+1,153	+19.29
Tobacco (not specified),	100 pounds	4,254	4,175	—79	—1.86

TOBACCO, SNUFF, AND CIGARS—1891, 1892—Continued.

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Tobacco, domestic . . .	100 pounds	$24.47	$28.19	+$3.72	+15.20
Tobacco, foreign . . .	100 pounds	106.46	109.69	+3.23	+3.03
Tobacco (not specified), . .	100 pounds	56.88	71.76	+14.88	+26.16

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done, .	$2,662,057	$3,189,533	+$527,476	+19.81
Cheroots, ...	33,737	57,934	+24,197	+71.72
Cigars, ...	2,555,943	3,052,173	+496,230	+19.41
Not classified in detail, ...	72,377	79,426	+7,049	+9.74

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Cheroots, ...	thousand	3,133¾	5,238	+2,104¼	+67.15
Cigars, ...	thousand	55,768¾	65,248½	+9,479¾	+17.00

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Cheroots, ...	thousand	$10.77	$11.06	+$0.29	+2.69
Cigars, ...	thousand	45.83	46.78	+0.95	+2.07

TOBACCO, SNUFF, AND CIGARS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	1,489	1,772	+283	+19.01
Smallest number,	1,206	1,245	+39	+3.23
Greatest number,	1,763	2,070	+307	+17.41
Excess of greatest over smallest number,	557	825	+268	+48.11
Averages.				
Average number employed in each establishment,	35	42	+7	+20.00
Smallest number,	29	30	+1	+3.45
Greatest number,	42	49	+7	+16.67
Excess of greatest over smallest number,	13	19	+6	+46.15

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	971	403	1,374	936	441	1,377
February,	931	430	1,361	999	461	1,460
March,	918	416	1,334	1,026	489	1,515
April,	991	439	1,430	1,076	500	1,576
May,	1,113	457	1,570	1,156	561	1,717
June,	1,090	473	1,563	1,206	550	1,756
July,	1,155	485	1,640	1,274	588	1,862
August,	1,107	508	1,615	1,294	603	1,897
September,	1,089	486	1,575	1,267	590	1,857
October,	1,083	499	1,582	1,243	573	1,816
November,	1,024	452	1,476	1,178	555	1,733
December,	942	386	1,328	1,166	522	1,688
During the entire year,*	34	26	60	34	13	47

* 6 establishments in 1891; 5 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$859,403	$1,086,847	+$227,444	+26.47
Average yearly earnings,	577.17	613.34	+36.17	+6.27

TOBACCO, SNUFF, AND CIGARS—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	46	187	233	47	149	196
$5 but under $6,	24	92	116	33	116	149
$6 but under $7,	21	92	113	28	170	198
$7 but under $8,	21	44	65	26	85	111
$8 but under $9,	33	8	41	26	23	49
$9 but under $10,	53	19	72	53	15	68
$10 but under $12,	149	31	180	129	50	179
$12 but under $15,	310	30	340	275	34	309
$15 but under $20,	387	13	400	492	12	504
$20 and over,	183	2	185	340	3	343
Totals,	1,227	518	1,745	1,449	657	2,106

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
12 per cent,	–	1	60 per cent,	4	1	83 per cent,	–	1
16 per cent,	1	–	62 per cent,	1	–	85 per cent,	1	3
25 per cent,	1	1	65 per cent,	–	1	87 per cent,	–	1
30 per cent,	1	2	67 per cent,	2	2	90 per cent,	2	2
33 per cent,	1	–	70 per cent,	–	2	95 per cent,	–	2
50 per cent,	9	11	75 per cent,	6	3	100 per cent,	8	7
55 per cent,	1	–	80 per cent,	4	1			
57 per cent,	–	1				Totals,	42	42

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
210 days,	–	–	1	2	291 days,	1	12	–	–
230 days,	1	2	–	–	293 days,	–	–	1	98
240 days,	–	–	1	10	294 days,	1	13	–	–
250 days,	2	50	1	2	295 days,	–	–	2	24
255 days,	1	1	–	–	296 days,	2	159	1	98
260 days,	1	6	1	25	297 days,	1	29	–	–
267 days,	1	2	–	–	298 days,	3	188	3	417
273 days,	–	–	1	89	299 days,	1	3	–	–
278 days,	1	75	–	–	300 days,	5	373	7	309
279 days,	1	13	–	–	302 days,	2	55	3	199
280 days,	–	–	1	20	303 days,	1	146	1	35
285 days,	1	21	1	22	304 days,	–	–	2	196
286 days,	1	7	1	6	306 days,	13	217	10	129
289 days,	–	–	2	36					
290 days,	2	117	2	55	Totals,	42	1,489	42	1,772

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	8	8	=	=
Number of private firms,	5	5	=	=
Number of partners,	10	10	=	=
Males,	8	8	=	=
Females,	2	2	=	=
Number of corporations,	3	3	=	=
Number of stockholders,	18	21	+3	+16.67
Males,	18	21	+3	+16.67
Aggregates: partners and stockholders,	28	31	+3	+10.71

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$334,000	$344,000	+$10,000	+2.99

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$216,981	$237,243	+$20,262	+9.34

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$560,934	$632,682	+$71,748	+12.79

TOYS AND GAMES (CHILDREN'S) — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	498	524	+26	+5.22
Smallest number,	320	346	+26	+8.13
Greatest number,	663	683	+20	+3.02
Excess of greatest over smallest number,	343	337	—6	—1.75
Averages.				
Average number employed in each establishment,	62	66	+4	+6.45
Smallest number,	40	43	+3	+7.50
Greatest number,	83	85	+2	+2.41
Excess of greatest over smallest number,	43	42	—1	—2.33

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	284	51	335	325	54	379
February,	316	57	373	371	71	442
March,	347	72	419	409	85	494
April,	361	77	438	413	93	506
May,	384	92	476	446	95	541
June,	404	99	503	450	97	547
July,	408	104	512	437	105	542
August,	452	93	545	456	112	568
September,	464	113	577	487	117	604
October,	502	127	629	496	129	625
November,	503	138	641	497	135	632
December,	431	100	531	427	100	527

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$197,948	$221,554	+$23,606	+11.93
Average yearly earnings,	397.49	422.81	+25.32	+6.37

TOYS AND GAMES (CHILDREN'S) — 1891, 1892 — Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	111	65	176	75	51	126
$5 but under $6,	47	22	69	47	25	72
$6 but under $7,	60	29	89	49	33	82
$7 but under $8,	66	18	84	77	17	94
$8 but under $9,	36	5	41	42	9	51
$9 but under $10,	63	5	68	80	5	85
$10 but under $12,	46	-	46	62	2	64
$12 but under $15,	50	-	50	53	1	54
$15 but under $20,	26	-	26	32	-	32
$20 and over,	11	-	11	18	-	18
Totals,	516	144	660	535	143	678

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	1	1	75 per cent,	-	1	90 per cent,	1	1
62 per cent,	1	-	80 per cent,	2	1	100 per cent,	1	2
65 per cent,	-	1	83 per cent,	-	1			
70 per cent,	1	-	85 per cent,	1	-	Totals,	8	8

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
270 days,	1	70	-	-	290 days,	1	19	-	-
275 days,	-	-	1	16	296 days,	-	-	1	49
279 days,	-	-	1	82	300 days,	2	162	2	182
280 days,	-	-	1	7	306 days,	3	241	2	188
285 days,	1	6	-	-	Totals,	8	498	8	524

TRUNKS AND VALISES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	7	7	=	=
Number of private firms,	7	7	=	=
Number of partners,	11	11	=	=
Males,	11	11	=	=

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$90,200	$85,900	—$4,300	—4.77

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$148,182	$158,204	+$10,022	+6.76

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$269,465	$295,119	+$25,654	+9.52

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	111	114	+3	+2.70
Smallest number,	76	73	—3	—3.95
Greatest number,	126	135	+9	+7.14
Excess of greatest over smallest number,	50	62	+12	+24.00
Averages.				
Average number employed in each establishment,	16	16	*=	*=
Smallest number,	11	10	—1	—9.09
Greatest number,	18	19	+1	+5.56
Excess of greatest over smallest number,	7	9	+2	+28.57

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	77	2	79	75	2	77
February,	97	8	105	101	9	110
March,	100	9	109	108	10	118
April,	104	9	113	109	10	119
May,	109	10	119	110	12	122
June,	115	10	125	119	13	132
July,	115	10	125	117	12	129
August,	115	10	125	117	11	128
September,	109	10	119	112	11	123
October,	106	9	115	101	10	111
November,	100	9	109	103	9	112
December,	80	7	87	88	5	93
During the entire year,*	24	-	24	30	-	30

* 3 establishments in 1891; 4 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$64,483	$67,766	+$3,283	+5.09
Average yearly earnings,	580.93	594.44	+13.51	+2.33

TRUNKS AND VALISES—1891, 1892—Concluded.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	4	5	9	6	4	10
$5 but under $6,	4	1	5	3	5	8
$6 but under $7,	3	4	7	5	4	9
$7 but under $8,	5	-	5	2	-	2
$8 but under $9,	4	-	4	4	-	4
$9 but under $10,	5	-	5	7	-	7
$10 but under $12,	19	-	19	13	-	13
$12 but under $15,	29	-	29	35	-	35
$15 but under $20,	37	-	37	43	-	43
$20 and over,	7	-	7	6	-	6
Totals,	117	10	127	124	13	137

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
75 per cent,	3	2	85 per cent,	1	1	100 per cent,	1	1
80 per cent,	2	2	95 per cent,	-	1	Totals,	7	7

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
304 days,	1	5	-	-	306 days,	6	106	7	114
					Totals,	7	111	7	114

WHIPS, LASHES, AND STOCKS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	12	12	=	=
Number of private firms,	6	6	=	=
Number of partners,	11	11	=	=
Males,	11	11	=	=
Number of corporations,	6	6	=	=
Number of stockholders,	119	131	+12	+10.08
Males,	92	93	+1	+1.09
Females,	25	31	+6	+24.00
Banks, trustees, etc.,	2	7	+5	+250.00
Aggregates: partners and stockholders,	130	142	+12	+9.23

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$647,635	$666,104	+$18,469	+2.85

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$371,116	$405,227	+$34,111	+9.19
Buckskins,	1,475	1,450	—25	—1.69
Hides, horse	3,750	3,945	+195	+5.20
Rattan,	86,205	91,432	+5,227	+6.06
Rawhide,	14,130	13,980	—150	—1.06
Thread,	35,390	35,059	—331	—0.94
Whalebone,	47,398	46,200	—1,198	—2.53
Whip butts,	11,200	11,715	+515	+4.60
Not classified in detail,	171,568	201,446	+29,878	+17.41

WHIPS, LASHES, AND STOCKS—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Buckskins,	pounds	800	750	—50	—6.25
Hides, horse	sides	2,500	2,510	+10	+0.40
Rattan,	100 pounds	9,790	10,094	+304	+3.11
Rawhide,	dozen	3,450	3,420	—30	—0.87
Thread,	100 pounds	1,000	963	—37	—3.70
Whalebone,	pounds	6,927	6,250	—677	—9.77
Whip butts,	100 dozen	1,460	1,513	+53	+3.63

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Buckskins,	pounds	$1.84	$1.93	+$0.09	+4.89
Hides, horse	sides	1.50	1.57	+0.07	+4.67
Rattan,	100 pounds	8.81	9.06	+0.25	+2.84
Rawhide,	dozen	4.10	4.09	—0.01	—0.24
Thread,	100 pounds	35.39	36.41	+1.02	+2.88
Whalebone,	pounds	6.84	7.39	+0.55	+8.04
Whip butts,	100 dozen	7.67	7.74	+0.07	+0.91

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$942,813	$1,002,642	+$59,829	+6.35
Whip lashes,	16,900	16,780	—120	—0.71
Whips,	692,250	741,500	+49,250	+7.11
Not classified in detail,	233,663	244,362	+10,699	+4.58

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Whip lashes,	dozen	12,850	12,790	—60	—0.47
Whips,	dozen	265,000	273,020	+8,020	+3.03

WHIPS, LASHES, AND STOCKS — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Whip lashes,	dozen	$1.32	$1.31	—$0.01	—0.76
Whips,	dozen	2.61	2.72	+0.11	+4.21

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	386	379	—7	—1.81
Smallest number,	351	355	+4	+1.14
Greatest number,	420	408	—12	—2.86
Excess of greatest over smallest number,	69	53	—16	—23.19
Averages.				
Average number employed in each establishment,	32	32	*=	*=
Smallest number,	29	30	+1	+3.45
Greatest number,	35	34	—1	—2.86
Excess of greatest over smallest number,	6	4	—2	—33.33

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	261	137	398	256	134	390
February,	258	132	390	242	134	376
March,	251	129	380	252	132	384
April,	247	125	372	253	130	383
May,	253	128	381	247	133	380
June,	252	133	385	244	131	375
July,	254	141	395	244	129	373
August,	248	141	389	242	134	376
September,	250	139	389	250	137	387
October,	251	142	393	250	135	385
November,	247	137	384	249	133	382
December,	235	124	359	250	129	379
During the entire year,*	122	84	206	120	84	204

* 3 establishments in 1891 and 1892.

WHIPS, LASHES, AND STOCKS — 1891, 1892 — Concluded.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$170,604	$179,956	+$9,352	+5.48
Average yearly earnings,	441.98	474.82	+32.84	+7.43

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	23	20	43	21	18	39
$5 but under $6,	21	20	41	15	23	38
$6 but under $7,	11	49	60	14	49	63
$7 but under $8,	15	20	35	12	22	34
$8 but under $9,	14	16	30	9	15	24
$9 but under $10,	30	9	39	33	8	41
$10 but under $12,	37	3	40	36	6	42
$12 but under $15,	63	-	63	62	-	62
$15 but under $20,	37	-	37	35	-	35
$20 and over,	12	-	12	12	-	12
Totals,	263	137	400	249	141	390

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
50 per cent,	1	2	75 per cent,	5	5	100 per cent,	3	2
60 per cent,	-	1	80 per cent,	-	1	Totals,	12	12
65 per cent,	2	-	90 per cent,	1	1			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
200 days,	1	1	-	-	298 days,	-	-	1	49
246 days,	1	27	-	-	300 days,	2	203	4	246
250 days,	-	-	1	1	302 days,	1	14	-	-
284 days,	1	40	-	-	304 days,	1	30	-	-
285 days,	-	-	1	18	306 days,	3	48	2	29
290 days,	-	-	1	15	308 days,	1	17	1	15
293 days,	-	-	1	6					
295 days,	1	6	-	-	Totals,	12	386	12	379

WOODEN GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	182	182	=	=
Number of private firms,	171	170	—1	—0.58
Number of partners,	241	239	—2	—0.83
Males,	236	232	—4	—1.69
Females,	3	5	+2	+66.67
Special,	2	2	=	=
Number of corporations,	11	12	+1	+9.09
Number of stockholders,	161	151	—10	—6.21
Males,	144	121	—23	—15.97
Females,	14	19	+5	+35.71
Banks, trustees, etc.,	3	11	+8	+266.67
Aggregates: partners and stockholders,	402	390	—12	—2.99

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$3,766,486	$3,908,281	+$141,795	+3.76

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$3,083,672	$3,205,640	+$121,968	+3.96

WOODEN GOODS — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done, .	$6,440,457	$6,729,296	+$288,839	+4.48

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number, ...	3,727	3,895	+168	+4.51
Smallest number, ...	3,114	3,220	+106	+3.40
Greatest number, ...	4,380	4,622	+242	+5.53
Excess of greatest over smallest number, .	1,266	1,402	+136	+10.74
Averages.				
Average number employed in each establishment, ...	20	21	+1	+5.00
Smallest number, ...	17	18	+1	+5.88
Greatest number, ...	24	25	+1	+4.17
Excess of greatest over smallest number, .	7	7	*=	*=

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January, ...	3,402	85	3,487	3,567	89	3,656
February, ...	3,483	99	3,582	3,530	91	3,621
March, ...	3,476	106	3,582	3,552	94	3,646
April, ...	3,578	103	3,681	3,580	93	3,673
May, ...	3,617	100	3,717	3,621	106	3,727
June, ...	3,638	94	3,732	3,711	104	3,815
July, ...	3,622	102	3,724	3,788	116	3,904
August, ...	3,641	109	3,750	3,905	119	4,024
September, ...	3,728	118	3,846	3,984	112	4,096
October, ...	3,762	126	3,888	4,114	120	4,234
November, ...	3,713	114	3,827	4,060	127	4,187
December, ...	3,648	96	3,744	3,957	112	4,069
During the entire year,* . .	557	-	557	602	1	603

* 47 establishments in 1891; 46 establishments in 1892.

WOODEN GOODS — 1891, 1892 — Continued.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages, ...	$1,930,472	$2,090,784	+$160,312	+8.30
Average yearly earnings, ...	517.97	536.79	+18.82	+3.63

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5, ...	147	58	205	141	65	206
$5 but under $6, ...	105	17	122	*88	20	*108
$6 but under $7, ...	173	21	194	168	18	186
$7 but under $8, ...	280	7	287	276	5	281
$8 but under $9, ...	304	4	308	340	5	345
$9 but under $10, ...	603	3	606	756	2	758
$10 but under $12, ...	519	5	524	576	8	584
$12 but under $15, ...	722	5	727	838	3	841
$15 but under $20, ...	1,070	2	1,072	1,019	5	1,024
$20 and over, ...	199	2	201	233	3	236
Totals, ...	4,122	124	4,246	*4,435	134	*4,569

* Includes 1 with board.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
8 per cent, .	1	2	45 per cent, .	–	3	75 per cent, .	32	31
10 per cent, .	2	2	50 per cent, .	48	33	77 per cent, .	–	1
15 per cent, .	1	2	55 per cent, .	–	1	80 per cent, .	10	13
20 per cent, .	4	4	60 per cent, .	6	12	83 per cent, .	–	1
25 per cent, .	11	6	63 per cent, .	1	–	85 per cent, .	4	2
30 per cent, .	1	1	65 per cent, .	4	3	88 per cent, .	1	1
32 per cent, .	–	1	66 per cent, .	1	2	90 per cent, .	6	11
33 per cent, .	9	4	67 per cent, .	2	5	95 per cent, .	1	2
35 per cent, .	–	2	68 per cent, .	–	1	100 per cent, .	21	28
37 per cent, .	1	–	70 per cent, .	12	6			
40 per cent, .	2	1	72 per cent, .	1	1	Totals, .	182	182

WOODEN GOODS—1891, 1892—Concluded.

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
37 days, .	-	-	1	1	263 days, .	-	-	1	9
53 days, .	1	1	-	-	267 days, .	1	6	1	6
55 days, .	-	-	1	1	270 days, .	4	51	1	10
65 days, .	1	1	-	-	273 days, .	-	-	1	9
75 days, .	1	1	-	-	275 days, .	2	25	4	103
77 days, .	-	-	1	2	276 days, .	-	-	1	10
100 days, .	-	-	1	1	278 days, .	-	-	2	23
103 days, .	1	24	-	-	279 days, .	1	5	-	-
130 days, .	-	-	2	2	280 days, .	4	75	5	125
145 days, .	1	2	-	-	281 days, .	1	13	1	-
150 days, .	-	-	1	2	285 days, .	1	14	1	17
153 days, .	3	12	1	1	286 days, .	1	20	-	-
154 days, .	-	-	1	1	287 days, .	1	13	-	-
169 days, .	1	1	-	-	288 days, .	1	12	-	-
175 days, .	1	1	-	-	290 days, .	4	121	3	134
180 days, .	-	-	1	1	291 days, .	1	12	-	-
190 days, .	1	2	-	-	292 days, .	1	5	1	8
200 days, .	5	54	3	52	294 days, .	1	16	1	40
204 days, .	-	-	1	1	295 days, .	3	43	-	-
206 days, .	1	34	-	-	296 days, .	-	-	1	15
210 days, .	1	1	-	-	298 days, .	1	81	1	20
216 days, .	1	18	-	-	299 days, .	2	108	1	15
225 days, .	1	5	1	4	300 days, .	38	727	28	458
230 days, .	-	-	1	-	301 days, .	2	99	2	126
239 days, .	1	-	-	-	302 days, .	-	-	3	38
240 days, .	2	24	2	18	303 days, .	2	64	5	92
243 days, .	1	2	1	3	304 days, .	2	32	7	230
245 days, .	1	166	2	154	305 days, .	7	43	8	320
248 days, .	1	25	-	-	306 days, .	59	1,424	66	1,450
250 days, .	5	29	3	15	308 days, .	1	65	1	25
252 days, .	-	-	1	4	310 days, .	3	31	5	186
254 days, .	1	35	-	-	311 days, .	3	152	1	80
255 days, .	-	-	1	24	313 days, .	1	10	2	12
260 days, .	2	22	1	7					
261 days, .	-	-	1	35	Totals, .	182	3,727	182	3,895

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	142	142	=	=
Number of private firms,	106	105	—1	—0.94
Number of partners,	174	171	—3	—1.72
Males,	163	160	—3	—1.84
Females,	9	8	—1	—11.11
Special,	1	1	=	=
Estates,	1	2	+1	+100.00
Number of corporations,	36	37	+1	+2.78
Number of stockholders,	1,051	1,061	+10	+0.95
Males,	562	564	+2	+0.36
Females,	323	335	+12	+3.72
Banks, trustees, etc.,	166	162	—4	—2.41
Aggregates: partners and stockholders,	1,225	1,232	+7	+0.57

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$27,728,471	$28,440,826	+$712,355	+2.57

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$21,515,129	$21,390,933	—$124,196	—0.58
Clips,	361,571	374,203	+12,632	+3.49
Cotton, raw	272,618	249,905	—22,713	—8.33
Flocks,	39,596	22,967	—16,629	—42.00
Noils,	122,381	161,397	+39,016	+31.88
Rags, woollen	629,815	710,036	+80,221	+12.74
Shoddy,	710,172	891,013	+180,841	+25.46
Warp, cotton	357,501	396,142	+38,641	+10.81
Waste, cotton	98,878	103,257	+4,379	+4.43
Waste, woollen	243,411	265,546	+22,135	+9.09
Wool, scoured	3,108,671	2,950,222	—158,449	—5.10
Wool, unscoured	4,080,682	3,592,839	—487,843	—11.95
Wool (not specified),	3,751,304	3,710,630	—40,674	—1.08
Yarn, cotton	43,851	41,935	—1,916	—4.37
Yarn, silk	47,421	26,752	—20,669	—43.59
Yarn, worsted	451,281	460,580	+9,299	+2.06
Not classified in detail,	7,195,976	7,433,509	+237,533	+3.30

WOOLLEN GOODS—1891, 1892—Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Clips,	100 pounds	43,706	46,520	+2,814	+6.44
Cotton, raw	100 pounds	21,779	21,436	—343	—1.57
Flocks,	100 pounds	5,843	4,313	—1,530	—26.19
Noils,	100 pounds	3,225	4,899	+1,674	+51.91
Rags, woollen	100 pounds	104,458	115,068	+10,610	+10.16
Shoddy,	100 pounds	64,522	75,136	+10,614	+16.45
Warp, cotton	100 yards	132,676	147,430	+14,754	+11.12
Warp, cotton	100 pounds	3,915	4,353	+438	+11.19
Waste, cotton	100 pounds	19,094	21,473	+2,379	+12.46
Waste, woollen	100 pounds	17,259	19,498	+2,239	+12.97
Wool, scoured	100 pounds	54,391	55,415	+1,024	+1.88
Wool, unscoured	100 pounds	168,788	156,144	—12,644	—7.49
Wool (not specified),	100 pounds	113,636	135,203	+21,567	+18.98
Yarn, cotton	100 pounds	1,303	1,478	+175	+13.43
Yarn, silk	pounds	5,306	3,562½	—1,743½	—32.86
Yarn, worsted	100 pounds	3,688	4,024	+336	+9.11

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Clips,	100 pounds	$8.27	$8.04	—$0.23	—2.78
Cotton, raw	100 pounds	12.52	11.66	—0.86	—6.87
Flocks,	100 pounds	6.78	5.33	—1.45	—21.39
Noils,	100 pounds	37.95	32.94	—5.01	—13.20
Rags, woollen	100 pounds	6.03	6.17	+0.14	+2.32
Shoddy,	100 pounds	11.01	11.86	+0.85	+7.72
Warp, cotton	100 yards	2.25	2.17	—0.08	—3.56
Warp, cotton	100 pounds	15.14	17.56	+2.42	+15.98
Waste, cotton	100 pounds	5.18	4.81	—0.37	—7.14
Waste, woollen	100 pounds	14.10	13.62	—0.48	—3.40
Wool, scoured	100 pounds	57.15	53.24	—3.91	—6.84
Wool, unscoured	100 pounds	24.18	23.01	—1.17	—4.84
Wool (not specified),	100 pounds	33.01	27.44	—5.57	—16.87
Yarn, cotton	100 pounds	33.65	28.37	—5.28	—15.69
Yarn, silk	pounds	8.94	7.51	—1.43	—16.00
Yarn, worsted	100 pounds	122.36	114.46	—7.90	—6.46

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$34,551,569	$35,673,477	+$1,121,908	+3.25
Blankets, bed	468,099	488,457	+20,358	+4.35
Blankets, horse	227,768	232,684	+4,916	+2.16
Blankets (not specified),	69,816	71,423	+1,607	+2.30
Cassimeres,	6,354,297	6,350,273	—4,024	—0.06
Cheviots,	240,708	131,789	—108,919	—45.25
Cloakings,	759,377	1,238,434	+479,057	+63.09
Cloth, woollen	829,640	1,210,136	+380,496	+45.86
Dress goods, flannel	2,520,601	2,514,098	—6,503	—0.26
Dress goods, woollen	4,950,866	4,708,812	—242,054	—4.89
Dress goods, worsted	83,000	110,000	+27,000	+32.53
Flannel, white	919,661	851,916	—67,745	—7.37
Flannel (not specified),	895,658	726,893	—168,765	—18.84
Kerseys,	98,000	115,348	+17,348	+17.70
Meltons,	286,945	360,115	+73,170	+25.50
Overcoatings,	370,844	478,931	+108,087	+29.15
Satinet,	3,139,245	3,800,619	+661,374	+21.07
Shoddy,	652,553	807,285	+154,732	+23.71
Suitings, men's	1,172,370	1,323,779	+151,409	+12.91
Yarn, woollen	196,836	156,751	—40,085	—20.36
Not classified in detail,	10,315,285	9,995,734	—319,551	—3.10

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Blankets, bed	pairs	186,064	205,650	+19,586	+10.53
Blankets, horse	pairs	148,585	142,805	—5,780	—3.89
Blankets (not specified),	pairs	76,291	83,292	+7,001	+9.18
Cassimeres,	100 yards	54,384	56,343	+1,959	+3.60
Cheviots,	100 yards	2,616	1,020	—1,596	—61.01
Cloakings,	yards	609,809	943,642	+333,833	+54.74
Cloth, woollen	yards	641,611	825,474	+183,863	+28.66
Dress goods, flannel	100 pounds	22,016	22,178	+162	+0.74

WOOLLEN GOODS — 1891, 1892 — Continued.

GOODS MADE. AGGREGATE QUANTITIES — Concluded.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Dress goods, woollen	100 yards	106,465	94,013	—12,452	—11.70
Dress goods, worsted	100 yards	980	1,500	+520	+53.06
Flannel, white	100 yards	40,612	41,175	+563	+1.39
Flannel (not specified),	100 yards	30,972	20,993	—9,979	—32.22
Flannel (not specified),	100 pounds	2,622	2,639	+17	+0.65
Kerseys,	yards	76,665	87,261	+10,596	+13.82
Meltons,	yards	236,804	278,077	+41,273	+17.43
Overcoatings,	yards	182,233	245,000	+62,767	+34.44
Satinet,	100 yards	165,082	189,691	+24,609	+14.91
Shoddy,	100 pounds	42,030	47,333	+5,303	+12.62
Suitings, men's	yards	755,194	1,067,647	+312,453	+41.37
Yarn, woollen	100 pounds	4,148	4,046	—102	—2.46

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Blankets, bed	pairs	$2.52	$2.38	—$0.14	—5.56
Blankets, horse	pairs	1.53	1.63	+0.10	+6.54
Blankets (not specified),	pairs	0.92	0.86	—0.06	—6.52
Cassimeres,	100 yards	116.84	112.71	—4.13	—3.53
Cheviots,	100 yards	92.01	129.20	+37.19	+40.42
Cloakings,	yards	1.25	1.31	+0.06	+4.80
Cloth, woollen	yards	1.29	1.47	+0.18	+13.95
Dress goods, flannel	100 pounds	114.49	113.36	—1.13	—0.99
Dress goods, woollen	100 yards	46.50	50.09	+3.59	+7.72
Dress goods, worsted	100 yards	84.69	73.33	—11.36	—13.41
Flannel, white	100 yards	22.65	20.69	—1.96	—8.65
Flannel (not specified),	100 yards	22.62	25.25	+2.63	+11.63
Flannel (not specified),	100 pounds	74.38	74.55	+0.17	+0.23
Kerseys,	yards	1.28	1.32	+0.04	+3.13
Meltons,	yards	1.21	1.30	+0.09	+7.44
Overcoatings,	yards	2.03	1.95	—0.08	—3.94
Satinet,	100 yards	19.02	20.04	+1.02	+5.36
Shoddy,	100 pounds	15.53	17.06	+1.53	+9.85
Suitings, men's	yards	1.55	1.24	—0.31	—20.00
Yarn, woollen	100 pounds	47.45	38.74	—8.71	—18.36

WOOLLEN GOODS — 1891, 1892 — Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	17,768	18,199	+431	+2.43
Smallest number,	16,260	16,289	+29	+0.18
Greatest number,	19,111	19,545	+434	+2.27
Excess of greatest over smallest number,	2,851	3,256	+405	+14.21
Averages.				
Average number employed in each establishment,	125	128	+3	+2.40
Smallest number,	115	115	*=	*=
Greatest number,	135	138	+3	+2.22
Excess of greatest over smallest number,	20	23	+3	+15.00

* No change.

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	11,207	6,613	17,820	11,389	6,750	18,139
February,	11,066	6,591	17,657	11,503	6,773	18,276
March,	11,242	6,625	17,867	11,692	6,863	18,555
April,	11,270	6,685	17,955	11,817	6,850	18,667
May,	11,263	6,625	17,888	11,758	6,793	18,551
June,	11,306	6,551	17,857	11,715	6,800	18,515
July,	11,272	6,499	17,771	11,326	6,162	17,488
August,	11,211	6,506	17,717	11,440	6,147	17,587
September,	11,198	6,462	17,660	11,691	6,767	18,458
October,	11,246	6,579	17,825	11,637	6,767	18,404
November,	11,241	6,551	17,792	11,618	6,775	18,393
December,	11,023	6,507	17,530	10,960	6,192	17,152
During the entire year,*	1,187	788	1,975	1,175	799	1,974

* 26 establishments in 1891 and 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$6,738,107	$7,061,211	+$323,104	+4.80
Average yearly earnings,	379.23	388.00	+8.77	+2.31

WOOLLEN GOODS — 1891, 1892 — Continued.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	1,326	1,965	3,291	1,086	1,837	2,923
$5 but under $6,	849	893	1,742	818	942	1,760
$6 but under $7,	1,719	1,198	2,917	1,586	1,267	2,853
$7 but under $8,	2,106	1,325	3,431	2,299	1,569	3,868
$8 but under $9,	1,354	723	2,077	1,410	697	2,107
$9 but under $10,	1,672	501	2,173	1,773	534	2,307
$10 but under $12,	1,440	358	1,798	1,517	355	1,872
$12 but under $15,	907	73	980	986	59	1,045
$15 but under $20,	478	2	480	492	-	492
$20 and over,	198	-	198	238	-	238
Totals,	12,049	7,038	19,087	12,205	7,260	19,465

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
10 per cent,	-	1	66 per cent,	1	1	89 per cent,	1	-
12 per cent,	1	-	67 per cent,	4	1	90 per cent,	7	17
15 per cent,	1	1	70 per cent,	5	4	92 per cent,	3	-
20 per cent,	1	1	73 per cent,	-	1	93 per cent,	1	1
25 per cent,	2	1	74 per cent,	1	1	94 per cent,	2	1
33 per cent,	2	2	75 per cent,	13	5	95 per cent,	8	6
50 per cent,	5	6	78 per cent,	-	1	96 per cent,	1	2
53 per cent,	-	1	80 per cent,	9	5	97 per cent,	2	3
55 per cent,	-	1	81 per cent,	-	1	98 per cent,	-	4
56 per cent,	1	1	83 per cent,	1	3	99 per cent,	-	2
60 per cent,	7	2	85 per cent,	6	3	100 per cent,	55	58
62 per cent,	-	3	88 per cent,	2	2	Totals,	142	142

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
147 days, .	1	22	-	-	277 days, .	1	343	-	-
150 days, .	-	-	1	2	280 days, .	2	20	2	309
156 days, .	-	-	1	14	282 days, .	-	-	2	92
183 days, .	1	5	1	5	283 days, .	-	-	2	261
195 days, .	1	27	-	-	285 days, .	1	50	1	129
200 days, .	1	15	1	6	286 days, .	-	-	1	103
201 days, .	1	40	-	-	287 days, .	1	123	1	9
205 days, .	1	17	-	-	288 days, .	-	-	2	360
206 days, .	1	17	1	148	289 days, .	1	34	-	-
222 days, .	1	60	-	-	290 days, .	5	787	2	235
224 days, .	1	84	-	-	291 days, .	2	146	3	124
226 days, .	1	41	-	-	292 days, .	1	26	1	23
230 days, .	1	76	-	-	293 days, .	1	13	1	169
235 days, .	-	-	1	76	294 days, .	2	67	1	193
239 days, .	1	12	1	12	295 days, .	3	692	3	232
243 days, .	1	14	-	-	296 days, .	1	37	-	-
244 days, .	1	18	-	-	298 days, .	-	-	3	214
245 days, .	-	-	1	17	299 days, .	-	-	4	228
247 days, .	1	34	-	-	300 days, .	20	1,918	15	2,244
250 days, .	2	41	1	34	301 days, .	3	487	6	539
252 days, .	1	71	-	-	302 days, .	3	706	8	803
255 days, .	1	35	-	-	303 days, .	7	655	2	336
260 days, .	1	119	-	-	304 days, .	6	911	6	934
261 days, .	1	7	2	732	305 days, .	3	265	5	742
263 days, .	1	9	-	-	306 days, .	35	4,691	33	4,284
264 days, .	1	75	-	-	307 days, .	9	2,649	6	1,232
267 days, .	-	-	1	100	308 days, .	-	-	4	408
269 days, .	-	-	1	12	309 days, .	2	937	3	1,581
270 days, .	3	317	2	253	310 days, .	1	200	2	407
271 days, .	1	35	1	36	311 days, .	-	-	1	139
274 days, .	-	-	1	18	313 days, .	1	416	1	34
275 days, .	3	353	2	121					
276 days, .	1	51	2	299	Totals, .	142	17,768	142	18,199

WORSTED GOODS. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	22	22	=	=
Number of private firms,	12	10	—2	—16.67
Number of partners,	22	17	—5	—22.73
Males,	22	17	—5	—22.73
Number of corporations,	10	12	+2	+20.00
Number of stockholders,	428	481	+53	+12.38
Males,	284	311	+27	+9.51
Females,	108	125	+17	+15.74
Banks, trustees, etc.,	36	45	+9	+25.00
Aggregates: partners and stockholders,	450	498	+48	+10.67

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$10,807,298	$10,899,489	+$92,191	+0.85

STOCK USED. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$11,755,469	$12,216,316	+$460,847	+3.92
Camel's-hair,	226,002	280,610	+54,608	+24.16
Wool, unscoured	4,922,614	4,795,491	—127,123	—2.58
Wool (not specified),	1,925,823	1,904,203	—21,620	—1.12
Yarn, cotton	238,680	283,896	+45,216	+18.94
Yarn, worsted	1,156,819	1,239,429	+82,610	+7.14
Not classified in detail,	3,285,531	3,712,687	+427,156	+13.00

WORSTED GOODS — 1891, 1892 — Continued.

STOCK USED. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Camel's-hair,	100 pounds	17,825	22,077	+4,252	+23.85
Wool, unscoured	100 pounds	221,366	211,597	—9,769	—4.41
Wool (not specified),	100 pounds	55,357	59,526	+4,169	+7.53
Yarn, cotton	100 pounds	6,068	7,023	+955	+15.74
Yarn, worsted	100 pounds	10,544	12,329	+1,785	+16.93

STOCK USED. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Camel's-hair,	100 pounds	$12.68	$12.71	+$0.03	+0.24
Wool, unscoured	100 pounds	22.24	22.66	+0.42	+1.89
Wool (not specified),	100 pounds	34.79	31.99	—2.80	—8.05
Yarn, cotton	100 pounds	39.33	40.42	+1.09	+2.77
Yarn, worsted	100 pounds	109.71	100.53	—9.18	—8.37

GOODS MADE. AGGREGATE VALUES.

Classification.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$16,548,791	$17,054,071	+$505,280	+3.05
Dress goods,	5,992,209	6,082,048	+89,839	+1.50
Noils,	179,169	196,051	+16,882	+9.42
Suitings,	1,276,908	1,376,756	+99,848	+7.82
Yarn, carpet	1,314,577	1,185,104	—129,473	—9.85
Yarn, worsted	3,560,806	3,287,955	—272,851	—7.66
Not classified in detail,	4,225,122	4,926,157	+701,035	+16.59

GOODS MADE. AGGREGATE QUANTITIES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Quantities	Percentages
Dress goods,	100 yards	215,275	213,714	—1,561	—0.73
Noils,	100 pounds	7,249	8,525	+1,276	+17.60
Suitings,	yards	759,624	902,512	+142,888	+18.81
Yarn, carpet	100 pounds	30,621	29,336	—1,285	—4.20
Yarn, worsted	100 pounds	52,419	51,362	—1,057	—2.02

WORSTED GOODS — 1891, 1892 — Continued.

GOODS MADE. AVERAGE VALUES.

Classification.	Basis of Measurement	1891	1892	Increase (+), or Decrease (—), in 1892	
				Amounts	Percentages
Dress goods,	100 yards	$27.84	$28.46	+$0.62	+2.23
Noils,	100 pounds	24.72	23.00	—1.72	—6.96
Suitings,	yards	1.68	1.53	—0.15	—8.93
Yarn, carpet	100 pounds	42.93	40.40	—2.53	—5.89
Yarn, worsted	100 pounds	67.93	64.02	—3.91	—5.76

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Number	Percentages
Aggregates.				
Average number,	8,010	8,577	+567	+7.08
Smallest number,	7,384	7,695	+311	+4.21
Greatest number,	8,524	9,379	+855	+10.03
Excess of greatest over smallest number,	1,140	1,684	+544	+47.72
Averages.				
Average number employed in each establishment,	364	390	+26	+7.14
Smallest number,	336	350	+14	+4.17
Greatest number,	387	426	+39	+10.08
Excess of greatest over smallest number,	51	76	+25	+49.02

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	3,890	4,073	7,963	4,107	4,070	8,177
February,	3,973	4,050	8,023	4,086	4,104	8,190
March,	3,995	4,018	8,013	4,180	4,135	8,315
April,	3,950	3,988	7,938	4,221	4,093	8,314
May,	4,058	4,037	8,095	4,272	4,080	8,352
June,	4,071	4,066	8,137	4,290	4,196	8,486
July,	4,004	4,079	8,083	4,386	4,226	8,612
August,	4,046	4,125	8,171	4,419	4,409	8,828
September,	4,044	4,068	8,112	4,439	4,373	8,812
October,	3,922	4,097	8,019	4,459	4,416	8,875
November,	3,998	3,913	7,911	4,501	4,444	8,945
December,	3,914	3,802	7,716	4,522	4,479	9,001
During the entire year,*	14	26	40	-	-	-

* One establishment in 1891.

WORSTED GOODS—1891, 1892—Concluded.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$2,988,991	$3,221,041	+$232,050	+7.76
Average yearly earnings,	373.16	375.54	+2.38	+0.64

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	456	1,165	1,621	424	993	1,417
$5 but under $6,	362	981	1,343	472	1,187	1,659
$6 but under $7,	484	1,145	1,629	513	1,168	1,681
$7 but under $8,	773	350	1,123	867	537	1,404
$8 but under $9,	364	200	564	390	324	714
$9 but under $10,	447	153	600	526	145	671
$10 but under $12,	655	152	807	556	184	740
$12 but under $15,	484	24	508	619	17	636
$15 but under $20,	136	1	137	183	-	183
$20 and over,	72	-	72	80	-	80
Totals,	4,233	4,171	8,404	4,630	4,555	9,185

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
33 per cent,	1	-	75 per cent,	2	2	95 per cent,	1	2
40 per cent,	-	1	80 per cent,	1	1	98 per cent,	-	1
60 per cent,	-	1	81 per cent,	-	1	100 per cent,	11	10
65 per cent,	2	-	90 per cent,	2	2	Totals,	22	22
70 per cent,	1	1	91 per cent,	1	-			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
160 days,	-	-	1	4	302 days,	1	46	-	-
252 days,	-	-	1	62	304 days,	3	1,916	3	1,009
256 days,	-	-	1	189	305 days,	2	783	-	-
286 days,	1	45	-	-	306 days,	7	1,605	3	5,746
289 days,	-	-	1	127	307 days,	2	2,567	2	135
296 days,	1	8	-	-	308 days,	2	296	-	-
298 days,	-	-	1	245	310 days,	-	-	1	228
300 days,	2	598	1	532					
301 days,	1	146	2	300	Totals,	22	8,010	22	8,577

ALL INDUSTRIES. 1891, 1892.

ESTABLISHMENTS, PARTNERS, ETC.

Number of Establishments Considered, Partners, etc.	1891	1892	Increase (+), Decrease (—), or No Change (=), in 1892	
			Number	Percentages
Number of establishments reporting,	*4,473	*4,473	=	=
Number of private firms,	*3,638	*3,591	—47	—1.29
Number of partners,	5,856	5,758	—98	—1.67
Males,	5,657	5,549	—108	—1.91
Females,	129	135	+6	+4.65
Special,	59	58	—1	—1.69
Estates,	11	16	+5	+45.45
Number of corporations,	*815	*861	+46	+5.64
Number of stockholders,	37,384	39,601	+2,217	+5.93
Males,	22,494	23,660	+1,166	+5.18
Females,	11,292	12,315	+1,023	+9.06
Banks, trustees, etc.,	3,579	3,607	+28	+0.78
Syndicates,	9	9	=	=
Railroads,	10	10	=	=
Aggregates: partners and stockholders,	43,240	45,359	+2,119	+4.90

* See head-note to presentations on pages 4, 5, 8, and 9.

CAPITAL INVESTED.

Capital Invested.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Amount of capital invested,	$431,691,711	$445,405,459	+$13,713,748	+3.18

STOCK USED. AGGREGATE VALUES.

Stock Used.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of stock used,	$361,078,213	$377,394,119	+$16,315,906	+4.52

GOODS MADE. AGGREGATE VALUES.

Goods Made.	1891	1892	Increase (+), or Decrease (—), in 1892	
			Amounts	Percentages
Total value of goods made and work done,	$618,347,697	$651,528,562	+$33,180,865	+5.37

ALL INDUSTRIES—1891, 1892—Continued.

PERSONS EMPLOYED.

Persons Employed.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Number	Percentages
Aggregates.				
Average number,	298,631	312,146	+13,515	+4.53
Smallest number,	260,419	271,399	+10,980	+4.22
Greatest number,	335,919	352,939	+17,020	+5.07
Excess of greatest over smallest number,	75,500	81,540	+6,040	+8.00
Averages.				
Average number employed in each establishment,	67	70	+3	+4.48
Smallest number,	58	61	+3	+5.17
Greatest number,	75	79	+4	+5.33
Excess of greatest over smallest number,	17	18	+1	+5.88

PERSONS EMPLOYED: BY MONTHS.

Months.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
January,	195,362	101,099	296,461	201,205	102,705	303,910
February,	195,607	102,247	297,854	203,691	104,705	308,396
March,	196,648	102,391	299,039	206,348	105,692	312,040
April,	197,504	102,786	300,290	209,141	106,369	315,510
May,	198,826	102,373	301,199	208,566	105,970	314,536
June,	198,519	100,695	299,214	207,683	104,169	311,852
July,	197,569	97,946	295,515	206,155	101,755	307,910
August,	198,198	97,798	295,996	208,078	101,230	309,308
September,	199,475	99,222	298,697	210,146	103,685	313,831
October,	199,376	100,912	300,288	211,615	105,392	317,007
November,	197,521	100,595	298,116	210,134	105,578	315,712
December,	197,823	101,090	298,913	208,612	104,994	313,606
During the entire year,*	27,374	14,297	41,671	29,135	15,660	44,795

* 1,069 establishments in 1891; 1,085 establishments in 1892.

WAGES AND EARNINGS.

Wages and Earnings.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Total amount paid in wages,	$133,036,009	$141,156,063	+$8,120,054	+6.10
Average yearly earnings,	445.49	452.21	+6.72	+1.51

ALL INDUSTRIES — 1891, 1892 — Continued.

CLASSIFIED WEEKLY WAGES.

Classification of Weekly Wage.	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Under $5,	17,934	30,609	48,543	17,099	28,698	45,797
$5 but under $6,	10,491	21,456	31,947	†10,792	20,565	†31,357
$6 but under $7,	17,581	21,460	39,041	17,657	21,307	38,964
$7 but under $8,	18,904	15,170	34,074	20,148	15,531	35,679
$8 but under $9,	*17,204	10,264	*27,468	18,261	10,076	28,337
$9 but under $10,	28,003	6,780	34,783	29,693	7,329	37,022
$10 but under $12,	31,989	5,102	37,091	33,783	5,854	39,637
$12 but under $15,	38,469	2,599	41,068	40,174	2,727	42,901
$15 but under $20,	31,229	886	32,115	31,003	850	31,853
$20 and over,	10,219	96	10,315	10,356	123	10,479
Totals,	*222,023	114,422	*336,445	†228,966	113,060	†342,026

* Includes 7 with board. † Includes one with board.

PROPORTION OF BUSINESS DONE.

Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments		Proportion of Business Done.	Establishments	
	1891	1892		1891	1892		1891	1892
5 per cent,	1	6	41 per cent,	-	1	73 per cent,	2	12
6 per cent,	2	-	42 per cent,	1	4	74 per cent,	6	6
7 per cent,	1	1	43 per cent,	-	2	75 per cent,	778	705
8 per cent,	1	3	44 per cent,	1	1	76 per cent,	4	5
10 per cent,	34	46	45 per cent,	24	23	77 per cent,	7	7
12 per cent,	6	13	46 per cent,	3	6	78 per cent,	11	12
13 per cent,	2	3	47 per cent,	3	1	79 per cent,	1	1
15 per cent,	20	19	48 per cent,	3	-	80 per cent,	299	279
16 per cent,	4	1	50 per cent,	814	713	81 per cent,	3	6
17 per cent,	4	4	51 per cent,	-	1	82 per cent,	8	5
18 per cent,	3	1	52 per cent,	2	2	83 per cent,	16	24
19 per cent,	1	-	53 per cent,	1	2	84 per cent,	4	7
20 per cent,	59	66	54 per cent,	4	6	85 per cent,	121	147
22 per cent,	-	2	55 per cent,	19	28	86 per cent,	4	2
23 per cent,	1	1	56 per cent,	3	3	87 per cent,	4	17
24 per cent,	1	2	57 per cent,	3	18	88 per cent,	13	16
25 per cent,	193	187	58 per cent,	5	6	89 per cent,	6	2
27 per cent,	-	1	59 per cent,	2	-	90 per cent,	265	296
28 per cent,	-	2	60 per cent,	225	177	91 per cent,	8	4
29 per cent,	1	-	61 per cent,	2	2	92 per cent,	15	17
30 per cent,	31	37	62 per cent,	19	14	93 per cent,	7	13
31 per cent,	-	1	63 per cent,	13	7	94 per cent,	6	7
32 per cent,	1	3	64 per cent,	5	1	95 per cent,	91	114
33 per cent,	97	89	65 per cent,	75	89	96 per cent,	14	13
34 per cent,	4	-	66 per cent,	16	40	97 per cent,	10	14
35 per cent,	19	31	67 per cent,	101	85	98 per cent,	21	27
36 per cent,	-	1	68 per cent,	8	7	99 per cent,	10	7
37 per cent,	4	2	69 per cent,	4	1	100 per cent,	641	696
38 per cent,	3	5	70 per cent,	166	153			
39 per cent,	-	1	71 per cent,	4	7	Totals,	4,473	4,473
40 per cent,	71	75	72 per cent,	8	9			

DAYS IN OPERATION.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
25 days,	1	1	-	-	122 days,	-	-	1	3
27 days,	-	-	1	-	123 days,	1	1	-	-
30 days,	1	1	-	-	125 days,	3	14	3	5
33 days,	1	-	-	-	126 days,	1	1	-	-
37 days,	-	-	1	1	127 days,	-	-	1	2
38 days,	1	11	-	-	128 days,	1	1	-	-
40 days,	-	-	1	1	130 days,	5	61	6	36
45 days,	-	-	1	1	135 days,	1	4	-	-
46 days,	1	5	-	-	136 days,	-	-	1	5
50 days,	2	14	1	1	137 days,	-	-	1	12
51 days,	1	15	1	23	140 days,	4	23	3	6
52 days,	1	1	-	-	141 days,	-	-	1	5
53 days,	1	1	-	-	143 days,	-	-	1	2
55 days,	-	-	1	1	144 days,	-	-	1	9
60 days,	-	-	6	7	145 days,	1	2	-	-
62 days,	-	-	1	9	146 days,	1	38	-	-
64 days,	-	-	1	2	147 days,	3	28	-	-
65 days,	1	1	1	4	148 days,	-	-	2	40
66 days,	-	-	1	22	149 days,	1	9	-	-
70 days,	1	34	1	1	150 days,	29	208	26	133
72 days,	-	-	1	11	151 days,	-	-	1	5
75 days,	4	6	4	5	152 days,	1	2	1	22
76 days,	3	162	1	-	153 days,	10	123	8	105
77 days,	-	-	1	2	154 days,	12	65	13	115
78 days,	5	3	5	2	155 days,	1	21	1	2
80 days,	2	1	2	3	156 days,	2	10	2	16
82 days,	-	-	1	11	158 days,	-	-	2	54
85 days,	1	1	-	-	160 days,	4	10	7	145
87 days,	-	-	2	20	161 days,	-	-	1	5
90 days,	4	28	4	2	162 days,	1	17	-	-
91 days,	-	-	1	3	163 days,	2	36	1	2
92 days,	-	-	1	26	164 days,	-	-	1	1
96 days,	1	1	-	-	165 days,	2	124	1	33
98 days,	1	10	-	-	167 days,	-	-	1	74
100 days,	7	14	14	210	168 days,	3	23	4	64
101 days,	-	-	1	305	169 days,	2	32	1	28
102 days,	3	31	-	-	172 days,	-	-	2	50
103 days,	2	30	-	-	174 days,	1	19	-	-
104 days,	4	11	3	13	175 days,	6	134	12	217
105 days,	1	4	-	-	176 days,	1	3	2	5
106 days,	1	5	-	-	178 days,	1	3	5	207
108 days,	2	2	1	3	179 days,	2	37	1	3
110 days,	3	31	1	1	180 days,	7	95	10	39
113 days,	1	5	1	5	181 days,	1	18	1	14
115 days,	-	-	1	3	182 days,	7	106	8	100
117 days,	2	4	-	-	183 days,	2	367	3	10
120 days,	2	7	5	17	184 days,	1	5	-	-

ALL INDUSTRIES — 1891, 1892 — Continued.

DAYS IN OPERATION — Continued.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
185 days, .	-	-	2	20	238 days, .	2	84	3	1,127
186 days, .	1	24	-	-	239 days, .	10	94	3	17
189 days, .	-	-	1	318	240 days, .	33	1,105	27	1,211
190 days, .	5	51	3	133	241 days, .	-	-	2	6
191 days, .	-	-	1	22	242 days, .	-	-	2	25
193 days, .	-	-	2	30	243 days, .	7	194	2	18
194 days, .	-	-	1	1	244 days, .	5	243	1	16
195 days, .	5	74	2	6	245 days, .	7	477	10	982
196 days, .	-	-	4	173	246 days, .	2	42	6	30
197 days, .	1	75	-	-	247 days, .	9	379	4	93
199 days, .	-	-	1	1	248 days, .	4	440	4	200
200 days, .	53	641	51	751	249 days, .	3	61	1	269
201 days, .	2	41	-	-	250 days, .	80	1,904	56	1,706
202 days, .	2	29	1	5	251 days, .	3	230	2	79
203 days, .	1	9	-	-	252 days, .	6	350	8	270
204 days, .	5	25	4	72	253 days, .	6	263	3	196
205 days, .	2	21	1	12	254 days, .	4	228	5	266
206 days, .	4	62	3	151	255 days, .	10	531	10	388
207 days, .	1	4	1	4	256 days, .	7	181	4	250
208 days, .	4	12	6	101	257 days, .	4	89	3	191
209 days, .	1	6	-	-	258 days, .	5	228	7	293
210 days, .	5	84	8	453	259 days, .	3	34	2	69
212 days, .	-	-	2	23	260 days, .	44	1,801	35	1,551
213 days, .	1	44	-	-	261 days, .	2	53	4	340
214 days, .	1	14	-	-	262 days, .	3	221	-	-
215 days, .	5	147	3	58	263 days, .	6	258	6	2,943
216 days, .	2	24	2	79	264 days, .	8	377	6	210
217 days, .	2	103	1	5	265 days, .	10	733	16	479
218 days, .	1	3	2	29	266 days, .	4	326	7	166
219 days, .	-	-	1	22	267 days, .	5	262	3	113
220 days, .	9	189	4	39	268 days, .	5	235	4	411
222 days, .	2	140	1	1	269 days, .	3	435	6	235
223 days, .	-	-	1	20	270 days, .	42	1,904	38	1,910
224 days, .	4	137	1	2	271 days, .	3	92	2	55
225 days, .	13	858	22	423	272 days, .	3	295	6	205
226 days, .	4	145	6	122	273 days, .	9	2,895	9	456
227 days, .	3	129	1	55	274 days, .	4	297	9	631
228 days, .	7	672	4	24	275 days, .	71	3,081	65	2,725
229 days, .	5	69	2	55	276 days, .	15	1,070	19	1,262
230 days, .	18	978	18	464	277 days, .	6	408	3	135
231 days, .	5	67	2	2	278 days, .	17	1,099	10	691
232 days, .	4	113	1	3	279 days, .	10	450	4	250
233 days, .	2	48	1	225	280 days, .	97	6,141	89	3,213
234 days, .	8	122	4	340	281 days, .	7	242	11	421
235 days, .	3	116	7	230	282 days, .	7	571	15	804
236 days, .	3	87	4	134	283 days, .	7	880	8	849
237 days, .	2	273	2	371	284 days, .	13	1,784	14	1,081

ALL INDUSTRIES—1891, 1892—Concluded.

DAYS IN OPERATION—Concluded.

Days in Operation.	1891		1892		Days in Operation.	1891		1892	
	Establishments	Persons Employed	Establishments	Persons Employed		Establishments	Persons Employed	Establishments	Persons Employed
285 days, .	49	3,337	39	4,287	306 days, .	1,761	92,500	1,726	102,732
286 days, .	20	2,042	24	1,777	307 days, .	72	19,517	57	15,279
287 days, .	15	1,395	12	541	308 days, .	49	4,939	73	14,408
288 days, .	27	1,434	17	1,895	309 days, .	25	4,734	26	4,861
289 days, .	9	342	18	2,177	310 days, .	36	1,475	48	3,604
290 days, .	95	7,865	83	5,205	311 days, .	12	1,129	8	452
291 days, .	15	1,116	23	2,614	312 days, .	12	4,016	25	3,953
292 days, .	19	1,854	14	1,174	313 days, .	43	6,299	39	2,882
293 days, .	11	1,071	20	3,055	314 days, .	-	-	1	1
294 days, .	45	4,740	37	3,002	315 days, .	2	40	2	43
295 days, .	57	5,579	57	4,852	316 days, .	1	10	1	10
296 days, .	24	2,139	30	2,000	321 days, .	-	-	1	4
297 days, .	12	934	14	2,135	336 days, .	1	3	-	-
298 days, .	28	3,253	37	2,699	337 days, .	4	20	-	-
299 days, .	24	4,216	23	3,216	344 days, .	-	-	1	5
300 days, .	633	33,292	650	38,285	350 days, .	-	-	1	5
301 days, .	33	4,414	43	4,692	358 days, .	-	-	1	9
302 days, .	50	4,127	65	6,651	360 days, .	1	11	-	-
303 days, .	57	9,270	58	6,593	365 days, .	16	219	24	432
304 days, .	96	14,764	97	11,948	Totals, .	4,473	298,631	4,473	312,146
305 days, .	131	15,748	136	18,062					

ANALYSIS.

ANALYSIS.

The statistical tables contained in this volume are mainly derived from returns rendered by 4,473 establishments, engaged in 75 classified industries. So far as comparisons are made between the years 1891 and 1892 they are based upon returns from identical establishments in each year, and such comparisons may therefore be relied upon as accurately reflecting the industrial conditions existing in Massachusetts.

That is the purpose of the report. It should be understood, therefore, that it does not present numerical aggregates for the entire industry of the Commonwealth, such as are shown in the censuses taken at regularly recurring periods. Its purpose, we repeat, is to show present industrial conditions, to exhibit the trend of industrial progress, to note industrial decline if it occurs, and, in connection with other similar reports previously issued or to be hereafter prepared in the series of which this volume forms a part, to supplement the results obtained in the census at periods widely apart, by data obtained annually from the leading establishments, covering a large percentage of the annual output.

Therefore, where "All Industries" are mentioned in this volume, it is to be understood that the 75 classified industries mentioned in the first table are referred to; and wherever numerical aggregates are presented for All Industries or for any single industry, whether of capital invested, stock used, goods made, persons employed, or wages paid, only such aggregates are intended as are derived from the 4,473 establishments each of which made returns for each of the years 1891 and 1892, and for which it is possible to make comparisons, unless some other meaning is distinctly stated in the text.

The present report introduces a new method of presentation. The statistical matter is arranged in two sections. The first

of these sections, pages 1 to 52, includes general statistics by industries arranged under the following subject or division heads: Private Firms and Corporations; Partners and Stockholders; Capital Invested; Stock Used; Goods Made; Persons Employed; Wages Paid; and Proportion of Business Done.

The second section, pages 53 to 359, is devoted to detailed industry presentations, all the facts relating to the several industries being grouped under the respective industry titles, so that the reader who is interested in any particular industry will find all the details relating to it in the appropriate place, without the necessity of searching in different parts of the volume. This arrangement, it is thought, will promote the convenience of those who consult the report and will enhance its usefulness.

PRIVATE FIRMS AND CORPORATIONS; PARTNERS AND STOCKHOLDERS: BY INDUSTRIES.

Private Firms and Corporations.

The tables relating to private firms and corporations and partners and stockholders will be found upon pages 4 to 11. The number of establishments, each of which made returns for the years 1891 and 1892, was 4,473. In 1891 these establishments were managed by 3,638 private firms and 815 corporations; or, in other words, 81.70 per cent were in the hands of private firms and 18.30 per cent were managed by corporations. In 1892, however, the number of private firms was reduced to 3,591 and the number of corporations had increased to 861; that is, 80.66 per cent of the establishments were now managed by private firms and 19.34 per cent by corporations. From these figures it appears that the tendency to assume the corporate form of management, which has been noticed in previous reports, still continues. In the head-note to the tables on pages 4, 5, 8, and 9, it is explained that there are duplications in the columns devoted to the number of private firms and corporations, and that these duplications are caused by the fact that the same firm or corporation is often engaged in conducting two or more establishments in different towns and sometimes in different industries. The plan adopted

in the statistical presentations is to consider each establishment, whether managed in connection with another or not, as a unit, and to credit the whole number of firms, partners, corporations, and stockholders to each industry, but to count them once only in making up the total for All Industries.

The following table indicates the effect in the aggregate of the change from private firms to corporations in 1892 as compared with 1891:

Private Firms and Corporations.	Number		Percentages	
	1891	1892	1891	1892
Private firms,	3,638	3,591	81.70	80.66
Corporations,	815	861	18.30	19.34
Totals,	4,453	4,452	100.00	100.00

The numerical effect of the changes indicated in this table have been noted, and also the effect as expressed in percentages. While in 1891 the corporations constituted 18.30 per cent of the entire number of establishments, in 1892 the percentage had risen to 19.34 per cent. Of course the rate of increase indicated by these figures is quite small, but, nevertheless, it is in line with the tendency to change from the private firm to the corporate basis which has been noted for a number of years.

In the following table, the duplications in private firms and corporations are shown:

Private Firms and Corporations.	Number of Establishments	
	1891	1892
Private firms,	6	7
Corporations,	14	14
Totals,	20	21

This table indicates that in the presentations relating to establishments 20 duplications occurred in 1891 and 21 in 1892; these duplications refer to the same concerns in each year. The excess in 1892 of one duplication over the number shown in 1891 indicates a change in management by which a

single firm increased the number of establishments carried on by it in 1892 over the number which it controlled in 1891. As pointed out in previous reports in connection with this subject, it should be understood that only the number of partners and stockholders are affected by these duplications. The returns relating to stock used, goods made, persons employed, and wages paid are made separately for each establishment, and in the tabular presentations are credited to the industry to which they properly belong.

Partners and Stockholders.

The same partners and stockholders are sometimes connected with more than one establishment, and therefore, under the plan of tabulation adopted by this department, while the whole number of partners and stockholders is credited to each industry, individuals are counted but once in making up the total for All Industries. The duplications in partners and stockholders are shown in the following table:

Partners and Stockholders.	Number	
	1891	1892
Males,	861	877
Females,	603	647
Banks, trustees, etc.,	554	554
Totals,	2,018	2,078

The following table indicates the number of general partners, the number of special partners, and the number of estates, etc., engaged in managing the private firms represented in 1891 and 1892:

Partners.	Number		Percentages	
	1891	1892	1891	1892.
General partners,	5,785	5,684	98.79	98.71
Special partners,	59	58	1.01	1.01
Estates, etc.,	12	16	0.20	0.28
Totals,	5,856	5,758	100.00	100.00

From the table it appears that the number of general partners constituted 98.79 per cent of the whole number of partners in 1891 and 98.71 per cent in 1892; the representation of partners actively engaged in the management of the different concerns being practically the same in each year when expressed in percentages, although the number declined from 5,785 in 1891 to 5,684 in 1892.

A classification of partners by sex, together with the number of estates, is shown for each year in the following table:

Partners.	Number		Percentages	
	1891	1892	1891	1892
Males,	5,715	5,607	97.59	97.38
Females,	129	135	2.20	2.34
Estates, etc.,	12	16	0.21	0.28
Totals,	5,856	5,758	100.00	100.00

The number of males declined from 5,715 in 1891 to 5,607 in 1892, while the number of females increased from 129 to 135, and the number of estates represented increased from 12 to 16; but when these numbers are expressed in percentages, the relative proportions of the different classes remain practically the same in 1892 as in 1891.

A classification of stockholders by sex is shown in the following table:

Stockholders.	Number		Percentages	
	1891	1892	1891	1892
Males,	22,494	23,660	60.17	59.75
Females,	11,292	12,315	30.21	31.10
Banks, trustees, etc.,	3,598	3,626	9.62	9.15
Totals,	37,384	39,601	100.00	100.00

The number of male stockholders increased from 22,494 in 1891 to 23,660 in 1892, and the number of females increased from 11,292 to 12,315. When expressed in percentages, a slight increase in proportion is found in favor of the female stock-

holders, who constituted 31.10 per cent of the whole body in 1892 as against 30.21 per cent in 1891. The representation of banks, trustees, etc. when expressed in percentages remains practically the same in each year, while the proportion of male stockholders declined from 60.17 per cent in 1891 to 59.75 per cent in 1892.

The relative positions of the sexes controlling the aggregate number of establishments are shown in the following table in which partners and stockholders are consolidated:

Partners and Stockholders.	Number		Percentages	
	1891	1892	1891	1892
Males,	28,209	29,267	65.24	64.52
Females,	11,421	12,450	26.41	27.45
Banks, trustees, etc.,	3,610	3,642	8.35	8.03
Totals,	43,240	45,359	100.00	100.00

The total number of partners and stockholders in 1892 was 45,359 as against 43,240 in 1891. The males increased from 28,209 to 29,267, but the proportion of males to the total number declined from 65.24 per cent to 64.52 per cent. On the other hand, the number of females increased from 26.41 per cent to 27.45 per cent. The representation of banks, trustees, etc. differed very slightly in 1892 from the numbers and percentages shown in 1891.

In the following table the aggregate number of partners and stockholders, without regard to sex, is brought forward with percentages:

Partners and Stockholders.	Number		Percentages	
	1891	1892	1891	1892
Partners,	5,856	5,758	13.54	12.69
Stockholders,	37,384	39,601	86.46	87.31
Totals,	43,240	45,359	100.00	100.00

The change from the private firm to the corporate form of business management, reflected in the tendency which we have

from 86.46 in 1891 to 87.31 in 1892. The percentage of partners exhibited a corresponding decline from 13.54 in 1891 to 12.69 in 1892. Expressed in figures, the total number of stockholders in 1891 was 37,384, rising to 39,601 in 1892; while the total number of partners in 1891 was 5,856, declining to 5,758 in 1892. It should be borne in mind that these stockholders and partners were engaged in managing identical establishments in each of the years named; that is, the changes which have been noted, have taken place within the same group of establishments each year.

The final analysis table relating to the subject of partners and stockholders exhibits the effect of the change from the private firm to the corporation upon the number of partners in the aggregate:

Classification.	Number	
	1891	1892
Private firms,	3,638	3,591
Partners,	5,856	5,758
Average number of partners to a private firm,	1.61	1.60
Corporations,	815	861
Stockholders,	37,384	39,601
Average number of stockholders to a corporation,	45.87	45.99

The average number of partners to a private firm was 1.61 in 1891 and 1.60 in 1892, while the average number of stockholders to a corporation was 45.87 in 1891 and 45.99 in 1892; so that although the number of corporations increased from 815 to 861, and the number of private firms declined from 3,638 to 3,591, the average number of partners to a private firm and the average number of stockholders to a corporation remain practically the same in each year.

The returns relating to private firms, corporations, partners, and stockholders for 1892 are condensed into the following summary: The returns represent 4,473 establishments found in 75 different industries. The establishments are conducted by 3,591 private firms, and 861 corporations. Expressed in percentages, 80.66 of the establishments are in the hands of

private firms and 19.34 in the hands of corporations. The private firms and corporations are managed by 45,359 individuals, of whom 5,758, or 12.69 per cent, are partners and 39,601, or 87.31 per cent, are stockholders. Of the partners, 97.38 per cent are males, 2.34 per cent females, and 0.28 per cent estates, etc. Of the stockholders, 59.75 per cent are males, 31.10 per cent are females, and 9.15 per cent are banks, trustees, etc. Considering the partners and stockholders in the aggregate, 64.52 per cent are males, 27.45 per cent are females, and 8.03 per cent are banks, trustees, etc. The average number of partners to a private firm is 1.60, and the average number of stockholders to a corporation, 45.99.

CAPITAL INVESTED: BY INDUSTRIES.

The table, pages 14 and 15, presents the returns relative to capital invested in the different industries, in the establishments making return in 1891 and 1892, with the amounts of increase or decrease expressed in amounts and percentages. The total capital returned from the 4,473 establishments in 1891 was $431,691,711 which was increased to $445,405,459 in 1892. This increase represents $13,713,748, or 3.18 per cent.

The following industries, 53 in number, exhibit an increase in capital in 1892 as compared with 1891:

Agricultural Implements.
Arms and Ammunition.
Awnings, Sails, Tents, etc.
Boots and Shoes.
Boxes (Paper and Wooden).
Brick, Tiles, and Sewer Pipe.
Buttons and Dress Trimmings.
Carpetings.
Carriages and Wagons.
Chemical Preparations (Compounded).
Clothing.
Corks, Bungs, and Taps.
Cotton Goods.
Cotton, Woollen, and Other Textiles.
Dyestuffs.
Earthen, Plaster, and Stone Ware.
Electrical Apparatus and Appliances.
Emery and Sand Paper and Cloth, etc.
Fancy Articles.
Fertilizers.
Fine Arts and Taxidermy.
Fireworks and Matches.
Flax, Hemp, Jute, and Linen Goods.
Food Preparations.
Furniture.
Glass.
Glue, Isinglass, and Starch.
Hair Work (Animal and Human).
Hosiery and Knit Goods.
Ink, Mucilage, and Paste.
Ivory, Bone, Shell, and Horn Goods, etc.
Leather.
Liquors and Beverages (Not Spirituous).
Liquors: Malt, Distilled, and Fermented.

Metals and Metallic Goods.
Mixed Textiles.
Musical Instruments and Materials.
Paper and Paper Goods.
Polishes and Dressing.
Printing, Publishing, and Bookbinding.
Print Works, Dye Works, and Bleacheries.
Railroad Construction and Equipment.
ances.
Sporting and Athletic Goods.
Stone.
Straw and Palm Leaf Goods.
Tallow, Candles, Soap, and Grease.
Toys and Games (Children's).
Whips, Lashes, and Stocks.
Wooden Goods.
Woollen Goods.
Worsted Goods.

The following industries, 22 in number, show a decrease in capital in 1892 as compared with 1891:

Artisans' Tools.
Brooms, Brushes, and Mops.
Burial Cases, Caskets, Coffins, etc.
Cement, Kaolin, Lime, and Plaster.
Clocks, Watches, and Jewelry.
Cooking, Lighting, and Heating Apparatus.
Cordage and Twine.
Crayons, Pencils, Crucibles, etc.
Drugs and Medicines.
Electroplating.
Hose: Rubber, Linen, etc.
Lumber.
Models and Patterns.
Oils and Illuminating Fluids.
Paints, Colors, and Crude Chemicals.
Perfumes, Toilet Articles, etc.
Photographs and Photographic Materials.
Rubber and Elastic Goods.
Shipbuilding.
Silk and Silk Goods.
Tobacco, Snuff, and Cigars.
Trunks and Valises.

In two or three industries, the increase or decrease is so slight that the capitalization in each year remains substantially the same. Industries in which the changes amount to less than one per cent are Carriages and Wagons, which shows an increase of 0.96 per cent; Cooking, Lighting, and Heating Apparatus, in which a decrease appears of 0.62 per cent; Cotton, Woollen, and Other Textiles, the increase being 0.81 per cent; Hosiery and Knit Goods, which shows an increase of 0.41 per cent; and Liquors and Beverages (Not Spirituous), in which the increase was 0.06 per cent.

In the following table, nine principal industries are brought together, with the amount of capital invested in the establishments making return in each of the years 1891 and 1892. All the industries included in this table exhibit an increase in capital:

Industries.	Number of Establishments Considered	Amount of Capital Invested		Increase (+), or Decrease (−), in 1892	
		1891	1892	Amounts	Percentages
Boots and shoes,	731	$30,355,294	$31,038,328	+$683,034	+2.25
Carpetings,	12	7,937,108	8,078,754	+141,646	+1.78
Cotton goods,	158	117,585,568	120,623,314	+3,037,746	+2.58
Leather,	200	7,919,761	9,024,408	+1,104,647	+13.95
Machines and machinery,	324	25,353,690	26,467,456	+1,113,766	+4.39
Metals and metallic goods,	348	19,385,517	21,802,040	+2,416,523	+12.47
Paper and paper goods,	104	22,477,298	23,499,553	+1,022,255	+4.55
Woollen goods,	142	27,728,471	28,440,826	+712,355	+2.57
Worsted goods,	22	10,807,298	10,899,489	+92,191	+0.85
Other industries,	2,432	162,141,706	165,531,291	+3,389,585	+2.09
All Industries,	4,473	$431,691,711	$445,405,459	+$13,713,748	+3.18

While all these industries show an increase in capital in 1892 as compared with 1891, in Worsted Goods the increase was very slight, amounting to but $92,191, or 0.85 per cent. Next to this ranks Carpetings, in which the increase was $141,646, or 1.78 per cent. In Boots and Shoes the increase was $683,034; in Cotton Goods, $3,037,746; and in Woollen Goods, $712,355. The increase in these three industries when expressed in percentages is practically the same, being 2.25 per cent, 2.58 per cent, and 2.57 per cent, respectively. In Leather, the increase was $1,104,647, or 13.95 per cent, and in Metals and Metallic Goods, $2,416,523, or 12.47 per cent. In Machines and Machinery, the increase was $1,113,766, and in Paper and Paper Goods, $1,022,255, or, when expressed in percentages, 4.39 per cent and 4.55 per cent, respectively.

The nine industries named had an aggregate capitalization of $269,550,005 in 1891, and $279,874,168 in 1892. These amounts are, respectively, 62.44 per cent of the aggregate capital returned in 1891, and 62.84 per cent of the aggregate capital returned in 1892. All other industries reported an aggregate capital of $162,141,706 invested in the 2,432 establishments making return in 1891, and $165,531,291 invested in the same establishments in 1892. The increase here shown amounts to $3,389,585, or 2.09 per cent. As previously noted, the increase in capital invested in the establishments making return in All Industries amounted to 3.18 per cent.

It will be seen, therefore, that of the nine principal industries

included in the foregoing table, five, namely: Boots and Shoes, Carpetings, Cotton Goods, Woollen Goods, and Worsted Goods, reported an increase of capital, which, when expressed in percentages, is less than the percentage of increase in All Industries; while four, namely: Leather, Machines and Machinery, Metals and Metallic Goods, and Paper and Paper Goods reported an increase of capital which, when expressed in percentages, is greater than the percentage of increase shown in All Industries.

In order to prevent unwarranted deductions from the returns as to Capital Invested, certain qualifying conditions affecting the results shown in the tables should be borne in mind. In the first place, the term "capital," as used in these reports, does not mean merely cash capital, or capital stock, but includes all forms of capital devoted to production. It includes, in other words, not only cash, but notes or bills receivable, and the value of land, machinery, and stock on hand or in process of manufacture; therefore the aggregate amounts stated as capital invested in the different industries include the actual capital of all forms found in the industry at the time of making the return. Inasmuch as some of the elements included as capital are variable from year to year, it follows that apparently wide fluctuations in the amount of capital invested will sometimes appear in the returns. In former reports, in order to guard the reader against unwarranted use of the figures, we have stated that "increase in capital shown in the tables, simply means that more capital was devoted to production. It does not necessarily imply an investment of more money on the part of partners or stockholders; it may mean an expansion of credit. The converse of each of these statements is, of course, equally true." A reduction in capital in any industry does not, of course, imply retrogression. It is clear that a small amount of stock on hand, or in process of manufacture, at the time the return is made, would have its effect in showing diminished capitalization, without, of course, affecting the condition of the industry. On the other hand, an investment in stock purchased in a favorable market, the same being held at the time of making the return, would render the amount of capital invested relatively larger than would be found at a time when the stock on hand was comparatively light.

STOCK USED: BY INDUSTRIES.

The statistical table relating to this subject will be found on pages 18 and 19. The total amount of stock used in the establishments making return in all industries in 1891, was $361,078,213, increasing to $377,394,119 in 1892; an increase of $16,315,906 or 4.52 per cent.

The term "stock used" includes all kinds of materials consumed in the establishment, whether entering into the fabric article or consumed in the processes necessary to the production of the goods.

We bring forward for analytical consideration the nine principal industries:

Industries.	Number of Establishments Considered	Value of Stock Used		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Boots and shoes,	731	$58,601,177	$65,181,630	+$6,580,453	+11.23
Carpetings,	12	5,404,428	5,420,996	+16,568	+0.31
Cotton goods,	158	52,058,721	47,940,696	—4,118,025	—7.91
Leather,	200	12,623,212	13,786,829	+1,163,617	+9.22
Machines and machinery,	324	9,673,407	10,195,923	+522,516	+5.40
Metals and metallic goods,	348	12,640,209	13,336,228	+696,019	+5.51
Paper and paper goods,	104	15,902,073	16,485,260	+583,187	+3.67
Woollen goods,	142	21,515,129	21,390,933	—124,196	—0.58
Worsted goods,	22	11,755,469	12,216,316	+460,847	+3.92
Other industries,	2,432	160,904,388	171,439,308	+10,534,920	+6.55
All Industries,	4,473	$361,078,213	$377,394,119	+$16,315,906	+4.52

Of the industries presented in the foregoing table, the value of stock consumed in 1892 as compared with 1891 declined in Cotton Goods and in Woollen Goods and increased in all others. The decline in Cotton Goods amounted to $4,118,025, or 7.91 per cent, while in Woollen Goods the decrease was $124,196, or 0.58 per cent. The decline in the last named industry is so slight as to warrant the statement that the value of stock used was substantially the same in each year.

In Boots and Shoes the largest increase is noted, amounting to $6,580,453, or 11.23 per cent. In Carpetings the value of stock used in 1892 did not greatly differ from the amount returned in 1891, the increase being but 0.31 per cent. In

Leather, the increase was $1,163,617, or 9.22 per cent. In Machines and Machinery and Metals and Metallic Goods, the increase when expressed in percentages was 5.40 and 5.51, respectively, the two industries showing practically the same rate of increase.

In Paper and Paper Goods and Worsted Goods the rate of increase was substantially identical, being 3.67 per cent in the first named industry, and 3.92 per cent in the other. In all other industries, except those named, the aggregate increase in value of stock used amounted to 6.55 per cent. Out of the 75 industries included in the table on pages 18 and 19, all except 18 show an increase in the amount of stock used in 1892 as compared with 1891. The 18 industries which show a decrease are: Brick, Tiles, and Sewer Pipe; Cotton Goods; Cotton, Woollen, and other Textiles; Crayons, Pencils, Crucibles, etc.; Dyestuffs; Earthen, Plaster, and Stone Ware; Electrical Apparatus and Appliances; Electroplating; Flax, Hemp, Jute, and Linen Goods; Hosiery and Knit Goods; Liquors: Malt, Distilled, and Fermented; Oils and Illuminating Fluids; Paints, Colors, and Crude Chemicals; Shipbuilding; Silk and Silk Goods; Stone; Straw and Palm Leaf Goods; and Woollen Goods.

If the reader will refer to the industry presentations, pages 53 to 359, the reason for increase or decrease in the value of stock used in particular industries will in some cases be seen. From the details presented of stock and product, and the average values of materials, etc., it will frequently appear that the total value of stock used has decreased or increased on account of the change in value of particular articles consumed. For instance, the decrease in stock used in the cotton goods industry may be largely occasioned by the decrease in the average value of raw cotton. It is therefore plain that the decline in the aggregate value of stock used, considered by itself, is not always to be understood as indicating a decline in the quantity of stock consumed or a corresponding decline in product, but is often simply a decline in values.

GOODS MADE: BY INDUSTRIES.

Upon pages 22 and 23 will be found the statistical presentation as to product, from which may be determined the increase or decrease in amounts and percentages in the value of goods made and work done in the establishments making return for the years 1891 and 1892.

In the following condensed table, the returns for the nine leading industries are brought forward together with the aggregate for All Industries:

Industries.	Number of Establishments Considered	Value of Goods Made and Work Done		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Boots and shoes,	731	$99,394,318	$108,347,615	+$8,953,297	+9.01
Carpetings,	12	9,458,306	8,659,903	—798,403	—8.44
Cotton goods,	158	89,558,854	91,967,815	+2,408,961	+2.69
Leather,	200	18,348,246	20,355,090	+2,006,844	+10.94
Machines and machinery,	324	25,794,797	26,867,581	+1,072,784	+4.16
Metals and metallic goods,	348	26,132,972	27,207,374	+1,074,402	+3.95
Paper and paper goods,	104	26,195,728	28,169,676	+1,973,948	+7.54
Woollen goods,	142	34,551,569	35,673,477	+1,121,908	+3.25
Worsted goods,	22	16,548,791	17,054,071	+505,280	+3.05
Other industries,	2,432	272,364,116	287,225,960	+14,861,844	+5.46
All Industries,	4,473	$618,347,697	$651,528,562	+$33,180,865	+5.37

The final line of this table presents the results for All Industries. In the 4,473 establishments, the value of goods made and work done in 1891 was $618,347,697, rising in 1892 to $651,528,562, an increase of 5.37 per cent.

All of the leading industries shown in the table exhibit an increase, except Carpetings, in which the value of product declined from $9,458,306 in 1891 to $8,659,903 in 1892, a decrease of 8.44 per cent. The largest percentage of increase is found in the leather industry in which the product in 1891 was $18,348,246, rising in 1892 to $20,355,090, a gain of 10.94 per cent. The next largest increase is in Boots and Shoes, in which the product in 1891 amounted to $99,394,318, and in 1892 to $108,347,615, an increase of 9.01 per cent. Ranking third as to rate of increase, we find Paper and Paper Goods, the product in 1891 being $26,195,728, and in 1892, $28,169,676, a gain of 7.54 per cent. In Machines and Machinery, the product returned in 1891 was $25,794,797,

and in 1892, $26,867,581, a gain of 4.16 per cent. The percentages of gain shown in Metals and Metallic Goods, Woollen Goods, and Worsted Goods were nearly identical, being 3.95, 3.25, and 3.05, respectively. In Cotton Goods the product increased from $89,558,854 returned in 1891, to $91,967,815 returned in 1892, a gain of 2.69 per cent.

In all other industries, except the nine mentioned in detail, the percentage of gain in the aggregate in 1892 as compared with 1891 was 5.46 per cent. On page 240 of the report for 1891, it is shown, taking the returns from 1,130 establishments in 1887 and each subsequent year, that in 1891 as compared with 1887, an increase of 12 per cent was found or an average increase of three per cent in each year.

Accepting this average as indicating the normal rate of increase in the industries as a whole from year to year, we present in the following table the increase in value of goods made and work done each year, as shown by former published reports beginning with the year 1886:

Comparative Years.	Number of Establishments Considered in Each Year Compared	Increase in Value of Goods Made and Work Done in Each Year as Compared with the Previous Year	
		Amounts	Percentages
1886, 1887,	1,027	$13,919,359	5.29
1887, 1888,	1,140	11,168,095	3.61
1888, 1889,	1,364	9,653,992	2.45
1889, 1890,	3,041	22,838,970	4.37
1890, 1891,	3,745	8,068,053	1.33
1891, 1892,	4,473	33,180,865	5.37

The above table indicates an increase in the value of goods made and work done in 1887 as compared with 1886 (1,027 establishments making return) of 5.29 per cent; in 1888 as compared with 1887 (1,140 establishments) an increase of 3.61 per cent is noted; in 1889 as compared with 1888 (1,364 establishments) an increase of 2.45 per cent appears; in 1890 as compared with 1889 (3,041 establishments) the increase amounted to 4.37 per cent; in 1891 as compared with 1890 (3,745 establishments) an increase of but 1.33 per cent appears; and in 1892 as compared with 1891 (4,473 establishments) the increase is equivalent to 5.37 per cent. The rate of increase, therefore, ranges from 5.29 per cent in 1887 as

compared with 1886, to 5.37 per cent in 1892 as compared with 1891. The average rate of increase in each comparative year is 3.74 per cent, a little above the "normal rate of increase" which, as we have said, was shown in the report for 1891 to be three per cent.

On pages 24 to 29 a table appears which permits comparison, as regards the value of goods made and work done in each industry, between any two of five consecutive years beginning with 1888. The table presents the value of goods made and work done in each year of the five, the returns being made by the same establishments each year. The total number of these establishments is 1,195; the results in the aggregate are brought forward in the following analysis table:

Years.	Number of Establishments Considered	Value of Goods Made and Work Done	Increase (+), or Decrease (—), as Compared with Previous Year	
			Amounts	Percentages
1888, ...	1,195	$351,554,862	-	-
1889, ...	1,195	363,497,233	+$11,942,371	+3.40
1890, ...	1,195	374,685,195	+11,187,962	+3.08
1891, ...	1,195	373,932,435	—752,760	—0.20
1892, ...	1,195	393,913,653	+19,981,218	+5.34

The total value of goods made and work done in the 1,195 establishments represented in the year 1888 was $351,554,862, rising to $363,497,233 in 1889, a gain of 3.40 per cent. In 1890 a further gain of 3.08 per cent was made, but in 1891 as compared with 1890, the product declined from $374,685,195 to $373,932,435, a loss of 0.20 per cent. In 1892, however, the value of product increased to $393,913,653, a gain of 5.34 per cent as compared with 1891. In regard to the nine leading industries the following facts appear from the table beginning on page 24: In Boots and Shoes, an increase of product in 1889 as compared with 1888, and in 1890 as compared with 1889 is shown; but a decline is found in 1891 as compared with 1890. In 1892 as compared with 1891, however, an increase appears.

In Carpetings, an increase of product is found in each year as compared with the year previous, except in 1892 as compared with 1891. In Cotton Goods, a decline is found in 1891

as compared with 1890, but in each of the other years an increase appears as compared with the year previous. The same conditions obtain in Leather and in Metals and Metallic Goods. In Machines and Machinery, a decline is found in 1890 as compared with 1889, and an increase in each of the other years as compared with the year previous. The same conditions appear in Woollen Goods. In Paper and Paper Goods and in Worsted Goods, each year shows an increase as compared with the year previous.

In the following table, the returns for 1,195 establishments for 1889 and each subsequent year, are compared with each previous year beginning with 1888:

Classification.	Increase (+), or Decrease (—), in the Value of Goods Made and Work Done	
	Amounts	Percentages
1889 as compared with 1888,	+$11,942,371	+3.40
1890 as compared with 1888,	+23,130,333	+6.58
1891 as compared with 1888,	+22,377,573	+6.37
1892 as compared with 1888,	+42,356,791	+12.05
1890 as compared with 1889,	+11,187,962	+3.08
1891 as compared with 1889,	+10,435,202	+2.87
1892 as compared with 1889,	+30,416,420	+8.37
1891 as compared with 1890,	—752,760	—0.20
1892 as compared with 1890,	+19,228,458	+5.13
1892 as compared with 1891,	+19,981,218	+5.34

In 1892 as compared with 1888, an increase of 12.05 per cent is shown. This maintains the normal rate of about three per cent to which we have previously alluded. In 1892 as compared with 1891 the increase was 5.34 per cent, as shown by the final line of the table, and was therefore in excess of the normal rate.

The returns derived from the 1,195 establishments, each of which made return in each year beginning with 1888 and closing with 1892, permit the following graphic presentation by industries, in which the fact of increase or decrease in value of product in each of the years subsequent to 1888, as compared with the value of product returned in that year, is indicated by the sign (+) denoting a gain, and the sign (—) denoting a decrease:

Industries.	1889 as Compared with 1888	1890 as Compared with 1888	1891 as Compared with 1888	1892 as Compared with 1888
Agricultural implements,	+	+	−	−
Arms and ammunition,	+	+	+	+
Artisans' tools,	−	+	+	+
Boots and shoes,	+	+	+	+
Boxes (paper and wooden),	+	+	+	+
Buttons and dress trimmings,	−	−	−	−
Carpetings,	+	+	+	+
Carriages and wagons,	−	−	−	−
Clocks, watches, and jewelry,	+	+	+	+
Clothing,	−	+	+	+
Cordage and twine,	+	+	+	+
Cotton goods,	+	+	+	+
Flax, hemp, jute, and linen goods,	−	+	+	+
Food preparations,	−	−	−	−
Furniture,	−	+	+	+
Glass,	+	+	+	+
Hosiery and knit goods,	−	−	+	+
Leather,	+	+	−	+
Liquors: malt, distilled, and fermented,	−	+	+	+
Machines and machinery,	+	+	+	+
Metals and metallic goods,	+	+	+	+
Mixed textiles,	+	+	−	+
Musical instruments and materials,	+	+	+	+
Paper and paper goods,	+	+	+	+
Print works, dye works, and bleacheries,	+	+	+	+
Rubber and elastic goods,	+	+	+	+
Shipbuilding,	+	+	−	−
Silk and silk goods,	+	+	+	+
Stone,	−	−	−	−
Straw and palm leaf goods,	−	−	+	+
Tallow, candles, soap, and grease,	+	+	+	+
Wooden goods,	−	+	+	+
Woollen goods,	+	+	+	+
Worsted goods,	+	+	+	+
Totals,	+	+	+	+

The plus sign in the preceding table indicates that the following industries exhibited a gain in the value of product in each subsequent year as compared with 1888: Arms and Ammunition; Boots and Shoes; Boxes (Paper and Wooden); Carpetings; Clocks, Watches, and Jewelry; Cordage and Twine; Cotton Goods; Glass; Machines and Machinery; Metals and Metallic Goods; Musical Instruments and Materials; Paper and Paper Goods; Print Works, Dye Works, and Bleacheries; Rubber and Elastic Goods; Silk and Silk Goods; Tallow, Candles, Soap, and Grease; Woollen Goods; and Worsted Goods. Not only

is this statement true of the industries mentioned in detail, but all of the industries here represented exhibit, in the aggregate, an increase each year beginning with 1888.

The following industries show a yearly decline in the value of product as compared with 1888: Buttons and Dress Trimmings; Carriages and Wagons; Food Preparations; and Stone. Agricultural Implements exhibits increases in both 1889 and in 1890 as compared with 1888; but a decline in both 1891 and 1892 as compared with 1888. The same is true of Shipbuilding. On the other hand, Hosiery and Knit Goods and Straw and Palm Leaf Goods exhibit decreases in 1889 and 1890 as compared with 1888, but an increase in 1891 and 1892 as compared with 1888.

The product in Artisans' Tools declined in 1889 as compared with 1888, but each subsequent year exhibits an increase as compared with 1888. The same is true of Clothing; Flax, Hemp, Jute, and Linen Goods; Furniture; Liquors: Malt, Distilled, and Fermented; and Wooden Goods. In Leather and in Mixed Textiles, an increase of product is found in each of the years 1889, 1890, and 1892 as compared with 1888, but a decline in 1891 as compared with 1888.

PERSONS EMPLOYED: BY INDUSTRIES.

The statistical presentations relative to persons employed will be found upon pages 32 to 41. In the following analysis table, data as to the average number of persons employed in the nine leading industries are brought forward, in comparison with other industries, and with All Industries:

Industries.	Number of Establishments Considered	Average Number of Persons Employed During the Year		Increase (+), or Decrease (—), in 1892	
		1891	1892	Number	Percentages
Boots and shoes,	731	47,045	49,735	+2,690	+5.72
Carpetings,	12	5,056	5,065	+9	+0.18
Cotton goods,	158	71,640	74,110	+2,470	+3.45
Leather,	200	6,007	6,753	+746	+12.42
Machines and machinery,	324	16,019	16,627	+608	+3.80
Metals and metallic goods,	348	14,310	14,913	+603	+4.21
Paper and paper goods,	104	10,143	10,763	+620	+6.11
Woollen goods,	142	17,768	18,199	+431	+2.43
Worsted goods,	22	8,010	8,577	+567	+7.08
Other industries,	2,432	102,633	107,404	+4,771	+4.65
All Industries,	4,473	298,631	312,146	+13,515	+4.53

The final line of the table indicates that in the 4,473 establishments in all industries, an average number of 298,631 persons was employed in 1891 and in 1892 these same establishments employed an average of 312,146 persons, an increase of 13,515, or 4.53 per cent. This percentage of increase shown for All Industries is about the same as that shown in the aggregate for industries other than the nine specified leading industries mentioned in detail in the table. All of the leading industries show an increase in the average number of persons employed in 1892 as compared with 1891, the largest percentage of increase being found in Leather, in which 6,007 persons were employed in the 200 establishments making return in 1891 and 6,753 persons in 1892, an increase of 12.42 per cent.

The next highest percentage of increase is found in Worsted Goods, the percentage being 7.08. The other industries in the table show percentages of increase as follows: Boots and Shoes, 5.72; Carpetings, 0.18; Cotton Goods, 3.45; Machines and Machinery, 3.80; Metals and Metallic Goods, 4.21; Paper and Paper Goods, 6.11; and Woollen Goods, 2.43. Of the nine leading industries represented, Boots and Shoes, Leather, Paper and Paper Goods, and Worsted Goods show percentages of increase above the percentage shown for All Industries.

We have always pointed out in these reports that the amount of employment furnished in the different industries cannot be determined by merely considering the average number of persons employed. The statistical presentations therefore show the number of persons employed at the periods of employment of the smallest number, and also the number employed at the periods of employment of the greatest number. A comparison of the two, of course, indicates the range of employment. The first details as to the number employed at periods of employment of the smallest number in the nine leading industries, in all other industries, and in all industries in the aggregate, are brought forward in the following table:

Industries.	Number of Establishments Considered	Smallest Number of Persons Employed		Increase (+), or Decrease (—), in 1892	
		1891	1892	Number	Percentages
Boots and shoes,	731	38,089	41,097	+3,008	+7.90
Carpetings,	12	4,678	4,703	+25	+0.53
Cotton goods,	158	68,674	71,144	+2,470	+3.60
Leather,	200	4,818	5,631	+813	+16.87
Machines and machinery,	324	13,968	14,368	+400	+2.86
Metals and metallic goods,	348	11,512	12,803	+1,291	+11.21
Paper and paper goods,	104	9,544	9,873	+329	+3.45
Woollen goods,	142	16,260	16,289	+29	+0.18
Worsted goods,	22	7,384	7,695	+311	+4.21
Other industries,	2,432	85,492	87,796	+2,304	+2.69
All Industries,	4,473	260,419	271,399	+10,980	+4.22

The final line of the table indicates that 216,419 persons were employed at the periods of employment of the smallest number in 1891, and at the corresponding periods in 1892, 271,399 persons were employed, a gain of 4.22 per cent. Each of the leading industries represented in the table, employed a larger number of persons in 1892 at the periods of employment of the smallest number than was employed in 1891; the percentages of increase ranging from 16.87 in Leather to 0.18 in Woollen Goods. The increase in Boots and Shoes was 7.90 per cent; in Carpetings, 0.53 per cent; in Cotton Goods, 3.60 per cent; in Machines and Machinery, 2.86 per cent; in Metals and Metallic Goods, 11.21 per cent; in Paper and Paper Goods, 3.45 per cent; and in Worsted Goods, 4.21 per cent. In the industries, other than those named in detail, an aggregate of 2.69 per cent more persons was employed at these periods in 1892 than in 1891.

A similar comparison as to the number of persons employed at the periods of employment of the greatest number is shown in the following table:

Industries.	Number of Establishments Considered	Greatest Number of Persons Employed		Increase (+), or Decrease (—), in 1892	
		1891	1892	Number	Percentages
Boots and shoes,	731	55,191	57,786	+2,595	+4.70
Carpetings,	12	5,293	5,315	+22	+0.42
Cotton goods,	158	74,735	78,864	+4,129	+5.52
Leather,	200	7,187	7,934	+747	+10.39
Machines and machinery,	324	17,949	19,026	+1,077	+6.00
Metals and metallic goods,	348	15,351	16,615	+1,264	+8.23
Paper and paper goods,	104	10,855	11,440	+585	+5.39
Woollen goods,	142	19,111	19,545	+434	+2.27
Worsted goods,	22	8,524	9,379	+855	+10.03
Other industries,	2,432	121,723	127,035	+5,312	+4.36
All Industries,	4,473	335,919	352,939	+17,020	+5.07

The number of persons employed at the periods of employment of the greatest number in all industries in 1891 was 335,919, rising to 352,939 in 1892; a gain of 5.07 per cent.

As in the previous comparison, the leather industry shows the greatest percentage of increase, namely, 10.39; this is nearly matched in Worsted Goods, however, in which the percentage of increase is 10.03. The percentages of increase in the other industries are as follows: Boots and Shoes, 4.70; Carpetings, 0.42; Cotton Goods, 5.52; Machines and Machinery, 6; Metals and Metallic Goods, 8.23; Paper and Paper Goods, 5.39; and Woollen Goods, 2.27. In all other industries the aggregate increase is 4.36 per cent.

A comparison of the two tables just presented, showing the number of persons employed at periods of employment of the smallest and of the greatest number, indicates that a larger number of persons was employed at each of these periods in each of the nine leading industries, in all other industries, and in all industries in the aggregate in 1892 as compared with 1891.

For the purpose of exhibiting the range of unemployment year by year since 1886, as shown by the annual reports, the following table is presented:

Comparative Years.	Number of Establishments Considered	Aggregates: Persons Employed at Periods of Employment of *Smallest* Number	Aggregates: Persons Employed at Periods of Employment of *Greatest* Number	"Range"
1886, ...	1,027	129,843	167,913	38,070
1887, ...	1,027	135,271	172,175	36,904
1887, ...	1,140	149,714	190,194	40,480
1888, ...	1,140	147,593	191,234	43,641
1888, ...	1,364	169,610	221,307	51,697
1889, ...	1,364	176,097	221,449	45,352
1889, ...	3,041	224,887	293,321	68,434
1890, ...	3,041	234,324	300,227	65,903
1890, ...	3,745	251,107	322,288	71,181
1891, ...	3,745	258,771	329,634	70,863
1891, ...	4,473	260,419	335,919	75,500
1892, ...	4,473	271,399	352,939	81,540

In this table six groups appear. The first exhibits a comparison between 1886 and 1887. In those years returns were received from 1,027 establishments, each of which made returns in each of the years named. The difference between the number of persons employed at periods of employment of the smallest number, and the number employed at periods of employment of the greatest number in 1886 was 38,070, and in 1887, 36,904. In other words, 38,070 more persons in the aggregate were employed at periods of employment of the greatest number of persons than at the periods of employment of the smallest number in 1886; but only 36,904 more persons in 1887. This indicates a narrower range of unemployment in 1887 than in 1886. Applying the same method of comparison to the different periods shown in the table, we find a wider range of unemployment in 1888 than in 1887; a narrower range in 1889 than in 1888, in 1890 than in 1889, and in 1891 than in 1890; but, on the other hand, a wider range of unemployment is shown in 1892 than in 1891.

Confining the comparison to the last group, that is to the years 1891 and 1892, we find that while a larger number of persons was employed at the periods of employment of the smallest number, and also at the periods of employment of the greatest number, as shown by previous tables, nevertheless, the differ-

ence between the number of persons employed at these two periods was greater in 1892 than in 1891.

In the following table, the numerical aggregates shown in the comparison by groups beginning with 1886 have been reduced to percentages:

Comparative Years.	Number of Establishments Considered	Percentages of Persons Employed at Periods of Employment of Smallest Number of Persons Employed at Periods of Employment of Greatest Number	Range (Unemployed at some time During the Year)	Aggregates: Persons Employed at Periods of Employment of Greatest Number
1886, ...	1,027	77.33	22.67	100.00
1887, ...	1,027	78.57	21.43	100.00
1887, ...	1,140	78.72	21.28	100.00
1888, ...	1,140	77.18	22.82	100.00
1888, ...	1,364	76.64	23.36	100.00
1889, ...	1,364	79.52	20.48	100.00
1889, ...	3,041	76.67	23.33	100.00
1890, ...	3,041	78.05	21.95	100.00
1890, ...	3,745	77.91	22.09	100.00
1891, ...	3,745	78.50	21.50	100.00
1891, ...	4,473	77.52	22.48	100.00
1892, ...	4,473	76.90	23.10	100.00

In order that these percentages may have their full effect, let it be borne in mind that if no persons were out of employment at any time during the year, in the establishments making return in the different industries, the percentage of persons employed throughout the year would stand at 100; but, inasmuch as at the periods of employment of the smallest number, less persons are employed than at the periods of employment of the greatest number, the difference between the number of persons employed at these two periods may be represented by a percentage which indicates the number of persons unemployed at some time during the year. This percentage is shown in the table in the third column.

Taking the first line of the table, the percentage indicates that in 1886, 22.67 per cent of the number of persons employed at periods of employment of the greatest number were unemployed, in the establishments making return, at the periods of employ-

ment of the smallest number. The corresponding percentage in 1887 was 21.43. The percentage being larger in 1886 than in 1887 indicates that the range of unemployment was greater in that year. Each of the other periods may be compared in the same way. The least percentage of variation shown in any single year between the number employed at the periods of employment of the greatest number, and the number employed at the periods of employment of the smallest number is found in 1889; this percentage being 20.48. In 1892 the percentage of variation was 23.10, while in 1891 it was 22.48. It does not follow that the number of persons unemployed, as indicated by the difference between the number of persons employed at the periods of employment of the greatest number, and the number employed at the periods of employment of the smallest number, were out of employment for an extended period.

The following presentation, brought forward from the table on page 355, exhibits the aggregate number of persons employed in each specified month:

Months.	Aggregate Number of Persons Employed in Each Specified Month		Average Number of Persons Employed in Each Establishment in Each Specified Month	
	1891	1892	1891	1892
January,	296,461	303,910	66	68
February,	297,854	308,396	67	69
March,	299,039	312,040	67	70
April,	300,290	315,510	67	71
May,	301,199	314,586	67	70
June,	299,214	311,852	67	70
July,	295,515	307,910	66	69
August,	295,996	309,308	66	69
September,	298,697	313,831	67	70
October,	300,288	317,007	67	71
November,	298,116	315,712	67	71
December,	298,913	313,606	67	70

In this table is shown the aggregate number of persons employed for All Industries during each month of the years specified. As found to be the case in previous years, although the percentages of unemployment, as indicated in the table previously presented, range from 22.48 in 1891 to 23.10 in 1892, no great variation in the number of persons employed month

by month occurs in either year. This is most clearly shown in the average number of persons employed in each establishment in each of the specified months. This average did not fall below 66 in 1891 nor rise above 67. In 1892 it did not fall below 68 nor rise above 71

To bring the range of unemployment as indicated by percentages clearly before the reader, the following table for All Industries is presented:

Months.	Percentages of Employment During the Months Specified		Percentages of Unemployment During the Months Specified	
	1891	1892	1891	1892
January,	98.43	95.87	1.57	4.13
February,	98.89	97.28	1.11	2.72
March,	99.28	98.43	0.72	1.57
April,	99.70	99.53	0.30	0.47
May,	100.00	99.22	-	0.78
June,	99.34	98.37	0.66	1.63
July,	98.11	97.13	1.89	2.87
August,	98.27	97.57	1.73	2.43
September,	99.17	99.00	0.83	1.00
October,	99.70	100.00	0.30	-
November,	98.98	99.57	1.02	0.41
December,	99.24	98.93	0.76	1.07

In the above table, the number of persons employed in May in 1891 (this being the month of employment of the greatest number in that year) is considered 100 per cent; and the number of persons employed in October in 1892 (this being the month in which the greatest number of persons was employed in that year) is also considered 100 per cent. The percentages of unemployment during the other months are obtained by computing the difference between the percentages of employment appearing each month and 100 per cent. For instance, the smallest number of persons employed in any month in 1891 was found in the month of July; the number employed in the month of May, as has been explained, constituted 100 per cent; the number employed in the month of July is represented by 98.11 per cent; the percentage of unemployment being the difference between 98.11 and 100 per cent, or 1.89 per cent. On the other hand, the smallest number of

persons employed in any single month in 1892 is found in January, the percentage indicating this smallest number being 95.87; the difference between this and 100, namely, 4.13, indicates the percentage of unemployment in that month. A comparison of the percentages, month by month, indicates less continuous employment in 1892 than in 1891, except in the month of November; but it will be remembered that the aggregate number of persons employed month by month was larger in 1892 than in 1891 as shown in the table on page 387. The comparison in the above table is, as we have said, for All Industries.

A similar comparison, based upon the showing on page 78, is presented in the following table for Boots and Shoes:

Months.	Percentages of Employment During the Months Specified		Percentages of Unemployment During the Months Specified	
	1891	1892	1891	1892
January,	97.93	93.40	2.07	6.60
February,	99.53	95.60	0.47	4.40
March,	99.47	96.76	0.53	3.24
April,	97.18	96.93	2.82	3.07
May,	98.87	98.11	1.13	1.89
June,	99.21	98.60	0.79	1.40
July,	97.53	98.02	2.47	1.98
August,	100.00	100.00	-	-
September,	99.09	99.72	0.91	0.28
October,	96.35	98.79	3.65	1.21
November,	91.25	95.73	8.75	4.27
December,	95.04	95.10	4.96	4.90

In this industry, 100 per cent, representing the greatest aggregate number of persons employed, is found in the month of August in each year; the greatest variation from this percentage in 1891 is found in November, the percentage of unemployment in that month being 8.75. In 1892 it occurs in the month of January, the percentage of unemployment being 6.60. The range of unemployment is less month by month in 1891 than in 1892, except in the months of July, September, October, November, and December. As was the case in regard to All Industries, however, the aggregate number of persons employed in this industry month by month, was greater in 1892 than in 1891.

Relative Proportions of the Sexes.

The statistical presentations, pages 32 to 41, show the smallest, greatest, and average number of persons employed by industries, and also the range of employment as indicated by the excess of greatest over smallest number of persons employed.

For the purpose of showing the relative proportions of the sexes, by percentages, in the different industries, the following table is introduced:

Industries.	PERCENTAGES — Average Aggregate Number of Persons Employed During the Year: by Sex					
	1885		1891		1892	
	Males	Females	Males	Females	Males	Females
Agricultural implements,	100.00	-	100.00	-	100.00	-
Arms and ammunition,	92.16	7.84	91.42	8.58	92.09	7.91
Artisans' tools,	96.69	3.31	96.62	3.38	96.56	3.44
Awnings, sails, tents, etc.,	51.14	48.86	82.67	17.33	78.67	21.33
Boots and shoes,	69.46	30.54	71.44	28.56	70.68	29.32
Boxes (paper and wooden),	55.62	44.38	57.21	42.79	57.88	42.12
Brick, tiles, and sewer pipe,	99.09	0.91	99.49	0.51	99.73	0.27
Brooms, brushes, and mops,	62.32	37.68	59.48	40.52	51.92	48.08
Burial cases, caskets, coffins, etc.,	85.51	14.49	83.96	16.04	84.96	15.04
Buttons and dress trimmings,	30.15	69.85	26.36	73.64	28.64	71.36
Carpetings,	42.12	57.88	45.32	54.68	45.31	54.69
Carriages and wagons,	98.71	1.29	98.78	1.22	98.96	1.04
Cement, kaolin, lime, and plaster,	100.00	-	100.00	-	100.00	-
Chemical preparations (compounded),	97.89	2.11	99.22	0.78	99.00	1.00
Clocks, watches, and jewelry,	60.66	39.34	74.01	25.99	74.32	25.68
Clothing,	28.25	71.75	29.67	70.33	31.86	68.14
Cooking, lighting, and heating apparatus,	98.68	1.32	99.28	0.72	99.24	0.76
Cordage and twine,	53.21	46.79	56.46	43.54	59.80	40.20
Corks, bungs, and taps,	63.29	36.71	85.25	14.75	86.79	13.21
Cotton goods,	44.96	55.04	47.38	52.62	47.79	52.21
Cotton, woollen, and other textiles,	50.54	49.46	47.52	52.48	47.17	52.83
Crayons, pencils, crucibles, etc.,	85.11	14.89	100.00	-	98.83	1.17
Drugs and medicines,	71.17	28.83	57.28	42.72	52.60	47.40
Dyestuffs,	96.20	3.80	98.80	1.20	99.73	0.27
Earthen, plaster, and stone ware,	92.57	7.43	87.22	12.78	89.43	10.57
Electrical apparatus and appliances,	98.74	1.26	87.06	12.94	89.47	10.53
Electroplating,	97.12	2.88	95.22	4.78	94.92	5.08
Emery and sand paper and cloth, etc.,	93.69	6.31	97.02	2.98	96.80	3.20
Fancy articles,	49.09	50.91	17.97	82.03	21.94	78.06
Fertilizers,	99.38	0.62	100.00	-	100.00	-
Fine arts and taxidermy,	77.78	22.22	94.34	5.66	77.37	22.63
Fireworks and matches,	69.61	30.39	76.79	23.21	74.38	25.62
Flax, hemp, jute, and linen goods,	51.57	48.43	51.96	48.04	53.97	46.03

Industries.	Percentages — Average Aggregate Number of Persons Employed During the Year: by Sex					
	1885		1891		1892	
	Males	Females	Males	Females	Males	Females
Food preparations,	82.28	17.72	76.12	23.88	75.50	24.50
Furniture,	91.00	9.00	90.98	9.02	92.05	7.95
Glass,	88.70	11.30	94.03	5.97	93.23	6.77
Glue, isinglass, and starch,	96.13	3.87	90.14	9.86	90.04	9.96
Hair work (animal and human),	38.94	61.06	48.74	51.26	47.06	52.94
Hose: rubber, linen, etc.,	78.18	21.82	78.95	21.05	81.07	18.93
Hosiery and knit goods,	29.13	70.87	25.78	74.22	26.51	73.49
Ink, mucilage, and paste,	82.26	17.74	66.61	33.39	66.53	33.47
Ivory, bone, shell, and horn goods, etc.,	91.09	8.91	85.32	14.68	86.61	13.39
Leather,	97.85	2.15	96.40	3.60	96.35	3.65
Liquors and beverages (not spirituous),	96.74	3.26	100.00	-	99.87	0.13
Liquors: malt, distilled, and fermented,	99.61	0.39	99.79	0.21	99.85	0.15
Lumber,	99.74	0.26	98.14	1.86	98.75	1.25
Machines and machinery,	98.57	1.43	98.80	1.20	98.75	1.25
Metals and metallic goods,	90.95	9.05	89.46	10.54	90.08	9.92
Mixed textiles,	54.67	45.33	71.91	28.09	70.66	29.34
Models and patterns,	91.02	8.98	100.00	-	100.00	-
Musical instruments and materials,	98.10	1.90	97.41	2.59	97.47	2.53
Oils and illuminating fluids,	96.83	3.17	87.21	12.79	84.28	15.72
Paints, colors, and crude chemicals,	97.31	2.69	96.60	3.40	96.80	3.20
Paper and paper goods,	56.08	43.92	54.07	45.93	54.39	45.61
Perfumes, toilet articles, etc.,	51.06	48.94	39.01	60.99	39.03	60.97
Photographs and photographic materials,	56.89	43.11	56.38	43.62	57.86	42.14
Polishes and dressing,	64.81	35.19	50.99	49.01	52.87	47.13
Printing, publishing, and bookbinding,	72.40	27.60	69.49	30.51	69.60	30.40
Print works, dye works, and bleacheries,	65.17	34.83	78.83	21.17	78.46	21.54
Railroad construction and equipment,	99.22	0.78	100.00	-	100.00	-
Rubber and elastic goods,	58.22	41.78	61.71	38.29	63.66	36.34
Scientific instruments and appliances,	82.84	17.76	87.06	12.94	86.19	13.81
Shipbuilding,	99.35	0.65	100.00	-	100.00	-
Silk and silk goods,	29.73	70.27	31.56	68.44	30.28	69.72
Sporting and athletic goods,	85.09	14.91	65.19	34.81	70.73	29.27
Stone,	99.93	0.07	100.00	-	100.00	-
Straw and palm leaf goods,	36.07	63.93	37.12	62.88	37.39	62.61
Tallow, candles, soap, and grease,	93.73	6.27	87.91	12.09	85.03	14.97
Tobacco, snuff, and cigars,	69.85	30.15	69.55	30.45	68.24	31.76
Toys and games (children's),	82.46	17.54	81.22	18.78	81.38	18.62
Trunks and valises,	94.44	5.56	92.26	7.74	91.70	8.30
Whips, lashes, and stocks,	64.41	35.59	65.16	34.84	65.19	34.81
Wooden goods,	95.31	4.69	97.19	2.81	97.25	2.75
Woollen goods,	61.60	38.40	63.07	36.93	63.50	36.50
Worsted goods,	42.13	57.87	49.77	50.23	50.42	49.58
All Industries,	67.00	33.00	66.24	33.76	66.55	33.45

This table shows the percentages of males and females in the different industries as determined in the State Census of 1885

and also similar percentages derived from the returns made in 1891 and in 1892. In computing the percentages for the last named years, a total for each year was first obtained by aggregating the number of persons of each sex employed month by month in the different industries. In Agricultural Implements and in some other industries no females were employed in one or more of the years considered in the table.

The only industries in which material differences in the relative proportions of the sexes appear, in 1891 and 1892, as compared with the returns of the Census for 1885 are, Awnings, Sails, Tents, etc.; Clocks, Watches, and Jewelry; Corks, Bungs, and Taps; Crayons, Pencils, Crucibles, etc.; Drugs and Medicines; Electrical Apparatus and Appliances; Fancy Articles; Ink, Mucilage and Paste; Mixed Textiles; Oils and Illuminating Fluids; Perfumes, Toilet Articles, etc.; Polishes and Dressing; and Sporting and Athletic Goods. These industries are, none of them, among the large industries of the State, and some of them include a wide variety of articles brought together under the system of classification employed in the Census. This accounts for the difference in the relative proportions of the sexes observed in the table, inasmuch as the returns in the Census include all establishments classed under the industry head, while the returns in 1891 and 1892 include only the more important establishments. The percentages derived from the Census of 1885 have no particular bearing upon the different elements embodied in the returns for 1891 and 1892, and are simply introduced here for purposes of comparison. The other percentages, however, should be considered in connection with the subject of wages, since a large proportion of female employés in any industry affects the average rate of wages, and frequently accounts for a low average wage prevailing in certain industries as compared with others. A comparison of the percentages for the years 1891 and 1892, as they are obtained from returns made by the same establishments in each year, will indicate the changes that have taken place in the relative proportions of the sexes. These changes are shown graphically in the following table, in which increase in percentages of females employed is indicated by the sign (+) and decrease by the sign (—).

Industries.	Increase (+), or Decrease (−), in Percentages of Females Employed in —		
	1891 as Compared with 1885	1892 as Compared with 1885	1892 as Compared with 1891
Agricultural implements,	*	*	*
Arms and ammunition,	+	+	−
Artisans' tools,	+	+	+
Awnings, sails, tents, etc.,	−	−	+
Boots and shoes,	−	−	+
Boxes (paper and wooden),	−	−	−
Brick, tiles, and sewer pipe,	−	−	−
Brooms, brushes, and mops,	+	+	+
Burial cases, caskets, coffins, etc.,	+	+	−
Buttons and dress trimmings,	+	+	−
Carpetings,	−	−	+
Carriages and wagons,	−	−	−
Cement, kaolin, lime, and plaster,	*	*	*
Chemical preparations (compounded),	−	−	+
Clocks, watches, and jewelry,	−	−	−
Clothing,	−	−	−
Cooking, lighting, and heating apparatus,	−	−	+
Cordage and twine,	−	−	−
Corks, bungs, and taps,	−	−	−
Cotton goods,	−	−	−
Cotton, woollen, and other textiles,	+	+	+
Crayons, pencils, crucibles, etc.,	−	−	+
Drugs and medicines,	+	+	+
Dyestuffs,	−	−	−
Earthen, plaster, and stone ware,	+	+	−
Electrical apparatus and appliances,	+	+	−
Electroplating,	+	+	+
Emery and sand paper and cloth, etc.,	−	−	+
Fancy articles,	+	+	−
Fertilizers,	−	−	*
Fine arts and taxidermy,	−	+	+
Fireworks and matches,	−	−	+
Flax, hemp, jute, and linen goods,	−	−	−
Food preparations,	+	+	+
Furniture,	+	−	−
Glass,	−	−	+
Glue, isinglass, and starch,	+	+	+
Hair work (animal and human),	−	−	+
Hose: rubber, linen, etc.,	−	−	−
Hosiery and knit goods,	+	+	−
Ink, mucilage, and paste,	+	+	+
Ivory, bone, shell, and horn goods, etc.,	+	+	−
Leather,	+	+	+
Liquors and beverages (not spirituous),	−	−	+
Liquors: malt, distilled, and fermented,	−	−	−
Lumber,	+	+	−
Machines and machinery,	−	−	+
Metals and metallic goods,	+	+	−

* No females employed.

Industries.	Increase (+), or Decrease (−), in Percentages of Females Employed in—		
	1891 as Compared with 1885	1892 as compared with 1885	1892 as Compared with 1891
Mixed textiles,	−	−	+
Models and patterns,	−	−	*
Musical instruments and materials,	+	+	−
Oils and illuminating fluids,	+	+	+
Paints, colors, and crude chemicals,	+	+	−
Paper and paper goods,	+	+	−
Perfumes, toilet articles, etc.,	+	+	−
Photographs and photographic materials,	+	−	−
Polishes and dressing,	+	+	−
Printing, publishing, and bookbinding,	+	+	−
Print works, dye works, and bleacheries,	−	−	+
Railroad construction and equipment,	−	−	*
Rubber and elastic goods,	−	−	−
Scientific instruments and appliances,	−	−	+
Shipbuilding,	−	−	*
Silk and silk goods,	−	−	+
Sporting and athletic goods,	+	+	−
Stone,	−	−	*
Straw and palm leaf goods,	−	−	−
Tallow, candles, soap, and grease,	+	+	+
Tobacco, snuff, and cigars,	+	+	+
Toys and games (children's),	+	+	−
Trunks and valises,	+	+	+
Whips, lashes, and stocks,	−	−	−
Wooden goods,	−	−	−
Woollen goods,	−	−	−
Worsted goods,	−	−	−
All Industries,	+	+	−

*No females employed.

The following industries, 30 in number, show an increase in percentage of females employed in 1892 as compared with 1891:

Artisans' Tools.
Awnings, Sails, Tents, etc.
Boots and Shoes.
Brooms, Brushes, and Mops.
Carpetings.
Chemical Preparations (Compounded).
Cooking, Lighting, and Heating Apparatus.
Cotton, Woollen, and Other Textiles.
Crayons, Pencils, Crucibles, etc.
Drugs and Medicines.
Electroplating.
Emery and Sand Paper and Cloth, etc.
Fine Arts and Taxidermy.
Fireworks and Matches.
Food Preparations.
Glass.
Glue, Isinglass, and Starch.

Hair Work (Animal and Human).
Ink, Mucilage, and Paste.
Leather.
Liquors and Beverages (Not Spirituous).
Machines and Machinery.
Mixed Textiles.
Oils and Illuminating Fluids.
Print Works, Dye Works, and Bleacheries.
Scientific Instruments and Appliances.
Silk and Silk Goods.
Tallow, Candles, Soap, and Grease.
Tobacco, Snuff, and Cigars.
Trunks and Valises.

The following industries, 38 in number, show a decrease in the percentage of females employed in 1892 as compared with 1891:

Arms and Ammunition.
Boxes (Paper and Wooden).
Brick, Tiles, and Sewer Pipe.
Burial Cases, Caskets, Coffins, etc.
Buttons and Dress Trimmings.
Carriages and Wagons.
Clocks, Watches, and Jewelry.
Clothing.
Cordage and Twine.
Corks, Bungs, and Taps.
Cotton Goods.
Dyestuffs.
Earthen, Plaster, and Stone Ware.
Electrical Apparatus and Appliances.
Fancy Articles.
Flax, Hemp, Jute, and Linen Goods.
Furniture.
Hose: Rubber, Linen, etc.
Hosiery and Knit Goods.
Ivory, Bone, Shell, and Horn Goods, etc.
Liquors: Malt, Distilled, and Fermented.
Lumber.
Metals and Metallic Goods.
Musical Instruments and Materials.
Paints, Colors, and Crude Chemicals.
Paper and Paper Goods.
Perfumes, Toilet Articles, etc.
Photographs and Photographic Materials.
Polishes and Dressing.
Printing, Publishing, and Bookbinding.
Rubber and Elastic Goods.
Sporting and Athletic Goods.
Straw and Palm Leaf Goods.
Toys and Games (Children's).
Whips, Lashes, and Stocks.
Wooden Goods.
Woollen Goods.
Worsted Goods.

In 1891 and 1892 males only were employed in the following seven industries: Agricultural Implements; Cement, Kaolin, Lime, and Plaster; Fertilizers; Models and Patterns; Railroad Construction and Equipment; Shipbuilding; and Stone. In two industries, Crayons, Pencils, Crucibles, etc., and Liquors and Beverages (Not Spirituous) no females were employed in 1891; but a small percentage of female employés is shown in 1892, this percentage in the first named industry being 1.17, and in the second, 0.13. In 1892 the percentage of female employés decreased in each of the leading textile

industries: Cotton Goods; Hosiery and Knit Goods; Woollen Goods; and Worsted Goods; this decrease, however, being very slight, in each case amounting to less than one per cent.

	Industries.	Whole Number of Establishments Considered
1	Agricultural implements,	11
2	Arms and ammunition,	13
3	Artisans' tools,	66
4	Awnings, sails, tents, etc.,	35
5	Boots and shoes,	731
6	Boxes (paper and wooden),	144
7	Brick, tiles, and sewer pipe,	46
8	Brooms, brushes, and mops,	22
9	Burial cases, caskets, coffins, etc.,	6
10	Buttons and dress trimmings,	18
11	Carpetings,	12
12	Carriages and wagons,	129
13	Cement, kaolin, lime, and plaster,	7
14	Chemical preparations (compounded),	11
15	Clocks, watches, and jewelry,	85
16	Clothing,	140
17	Cooking, lighting, and heating apparatus,	38
18	Cordage and twine,	30
19	Corks, bungs, and taps,	3
20	Cotton goods,	158
21	Cotton, woollen, and other textiles,	3
22	Crayons, pencils, crucibles, etc.,	3
23	Drugs and medicines,	22
24	Dyestuffs,	6
25	Earthen, plaster, and stone ware,	6
26	Electrical apparatus and appliances,	17
27	Electroplating,	11
28	Emery and sand paper and cloth, etc.,	13
29	Fancy articles,	7
30	Fertilizers,	6
31	Fine arts and taxidermy,	3
32	Fireworks and matches,	3
33	Flax, hemp, jute, and linen goods,	8
34	Food preparations,	292
35	Furniture,	142
36	Glass,	10
37	Glue, isinglass, and starch,	18
38	Hair work (animal and human),	10
39	Hose: rubber, linen, etc.,	4
40	Hosiery and knit goods,	40
41	Ink, mucilage, and paste,	9
42	Ivory, bone, shell, and horn goods, etc.,	12

In some of the industries certain establishments reported the same number of persons employed during the entire year. The statistics upon this point are brought forward in the following table from the Industry Presentations, pages 53 to 359:

1891				1892				
Number of Establishments Reporting the Same Number of Persons Employed During the Entire Year	Number of Persons Employed During the Entire Year			Number of Establishments Reporting the Same Number of Persons Employed During the Entire Year	Number of Persons Employed During the Entire Year			
	Males	Females	Total		Males	Females	Total	
-	-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	-	2
19	145	2	147	21	140	2	142	3
5	23	10	33	6	31	11	42	4
184	5,266	2,096	7,362	193	5,714	2,416	8,130	5
30	248	199	447	28	273	328	601	6
2	78	-	78	3	94	-	94	7
7	300	136	436	8	259	198	457	8
4	129	25	154	4	136	25	161	9
2	13	24	37	4	18	27	45	10
-	-	-	-	-	-	-	-	11
29	324	3	327	22	285	-	285	12
3	7	-	7	5	15	-	15	13
7	47	2	49	6	48	-	48	14
19	311	93	404	21	351	100	451	15
32	587	1,372	1,959	38	732	1,479	2,211	16
4	272	-	272	6	380	-	380	17
5	331	66	397	5	25	46	71	18
-	-	-	-	1	15	-	15	19
34	7,419	7,503	14,922	37	8,906	8,452	17,358	20
-	-	-	-	-	-	-	-	21
1	10	-	10	1	12	-	12	22
7	51	17	68	7	28	18	46	23
-	-	-	-	-	-	-	-	24
1	61	14	75	2	83	14	97	25
2	7	-	7	6	71	18	89	26
4	21	1	22	5	20	1	21	27
-	-	-	-	3	60	-	60	28
2	11	42	53	2	13	43	56	29
2	10	-	10	1	13	-	13	30
-	-	-	-	-	-	-	-	31
-	-	-	-	-	-	-	-	32
1	507	325	832	1	6	2	8	33
131	835	112	947	127	791	119	910	34
38	1,938	44	1,982	38	1,960	61	2,021	35
2	285	25	310	-	-	-	-	36
1	8	-	8	1	7	-	7	37
4	4	29	33	5	3	34	37	38
1	10	16	26	-	-	-	-	39
5	19	74	93	3	13	57	70	40
7	95	44	139	5	44	1	45	41
2	17	4	21	1	2	2	4	42

	Industries.	Whole Number of Establishments Considered
1	Leather,	200
2	Liquors and beverages (not spirituous),	21
3	Liquors: malt, distilled, and fermented,	53
4	Lumber,	26
5	Machines and machinery,	324
6	Metals and metallic goods,	348
7	Mixed textiles,	13
8	Models and patterns,	9
9	Musical instruments and materials,	55
10	Oils and illuminating fluids,	9
11	Paints, colors, and crude chemicals,	21
12	Paper and paper goods,	104
13	Perfumes, toilet articles, etc.,	6
14	Photographs and photographic materials,	15
15	Polishes and dressing,	27
16	Printing, publishing, and bookbinding,	32
17	Print works, dye works, and bleacheries,	46
18	Railroad construction and equipment,	14
19	Rubber and elastic goods,	33
20	Scientific instruments and appliances,	20
21	Shipbuilding,	42
22	Silk and silk goods,	11
23	Sporting and athletic goods,	10
24	Stone,	193
25	Straw and palm leaf goods,	18
26	Tallow, candles, soap, and grease,	58
27	Tobacco, snuff, and cigars,	42
28	Toys and games (children's),	8
29	Trunks and valises,	7
30	Whips, lashes, and stocks,	12
31	Wooden goods,	182
32	Woollen goods,	142
33	Worsted goods,	22
34	All Industries,	4,473

The final line of the table relates to All Industries. Of the 4,473 establishments making return, 1,069 in 1891, and 1,085 in 1892 reported that the same number of persons were employed by them throughout the year; that is to say, their number did not vary from month to month. The total number

1891				1892				
Number of Establishments Reporting the Same Number of Person Employed During the Entire Year	Number of Persons Employed During the Entire Year			Number of Establishments Reporting the Same Number of Persons Employed During the Entire Year	Number of Persons Employed During the Entire Year			
	Males	Females	Total		Males	Females	Total	
54	815	9	824	53	683	7	690	1
3	8	-	8	3	14	-	14	2
10	159	-	159	11	159	-	159	3
3	27	-	27	3	19	-	19	4
64	821	46	867	75	1,089	50	1,139	5
85	1,206	80	1,286	87	1,572	202	1,774	6
2	119	12	131	3	129	10	139	7
2	20	-	20	2	24	-	24	8
14	703	5	708	16	1,024	8	1,032	9
1	13	2	15	1	15	3	18	10
8	47	-	47	9	46	-	46	11
19	908	547	1,455	21	977	622	1,599	12
3	9	9	18	3	7	14	21	13
6	38	26	64	5	8	7	15	14
13	64	9	73	12	66	9	75	15
11	99	39	138	8	79	31	110	16
6	105	22	127	8	122	25	147	17
-	-	-	-	-	-	-	-	18
5	112	242	354	7	117	263	380	19
4	9	2	11	5	17	2	19	20
6	64	-	64	6	45	-	45	21
1	4	26	30	2	10	43	53	22
2	66	17	83	2	2	9	11	23
29	514	-	514	16	306	-	306	24
-	-	-	-	-	-	-	-	25
35	117	2	119	27	96	4	100	26
6	34	26	60	5	34	13	47	27
-	-	-	-	-	-	-	-	28
3	24	-	24	4	30	-	30	29
3	122	84	206	3	120	84	204	30
47	557	-	557	46	602	1	603	31
26	1,187	788	1,975	26	1,175	799	1,974	32
1	14	26	40	-	-	-	-	33
1,069	27,374	14,297	41,671	1,085	29,135	15,660	44,795	34

of persons employed thus continuously during the entire year in these establishments in 1891 was 41,671, and in 1892, 44,795. These persons constituted 13.95 per cent of the aggregate average number of persons employed in all the establishments making return in 1891 and 14.35 per cent in 1892.

WAGES PAID: BY INDUSTRIES.

The statistical presentation relative to wages paid is found on pages 44 and 45. The facts in regard to the nine leading industries are brought forward in the following table:

Industries.	Number of Establishments Considered	Total Amount Paid in Wages During the Year		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Boots and shoes,	731	$24,096,158	$26,701,109	+$2,604,951	+10.81
Carpetings,	12	1,881,199	1,956,176	+74,977	+3.99
Cotton goods,	158	24,657,967	25,614,246	+956,279	+3.88
Leather,	200	3,045,645	3,411,038	+365,393	+12.00
Machines and machinery,	324	8,935,655	9,311,797	+376,142	+4.21
Metals and metallic goods,	348	7,377,673	7,677,180	+299,507	+4.06
Paper and paper goods,	104	4,312,115	4,545,108	+232,993	+5.40
Woollen goods,	142	6,738,107	7,061,211	+323,104	+4.80
Worsted goods,	22	2,988,991	3,221,041	+232,050	+7.76
Other industries,	2,432	49,002,499	51,657,157	+2,654,658	+5.42
All Industries,	4,473	$133,036,009	$141,156,063	+$8,120,054	+6.10

The final line of this table reproduces the figures for All Industries. In the 4,473 establishments making return, the total amount paid in wages during the year 1891 was $133,036,009, and in 1892, $141,156,063, a gain of 6.10 per cent. Of the nine leading industries, the greatest percentage of gain, namely, 12 per cent, is found in Leather; Boots and Shoes stands next with a gain of 10.81 per cent, while next follow Worsted Goods, the gain being 7.76 per cent, and Paper and Paper Goods, the gain being 5.40 per cent. In Woollen Goods, Machines and Machinery, and Metals and Metallic Goods, the percentages of gain are 4.80, 4.21, and 4.06, respectively, and in Carpetings and Cotton Goods 3.99 and 3.88, respectively. In industries other than the nine mentioned in detail, the aggregate gain was 5.42 per cent. It will be noticed that of the industries in the above list, the following show a percentage of gain greater than the percentage for All Industries: Boots and Shoes; Leather; and Worsted Goods.

The average yearly earnings in the nine leading industries are brought forward in the following table from the presentation on pages 46 and 47, the increase or decrease in 1892 as compared with 1891 being given both in amounts and percentages:

Industries.	Number of Establishments Considered	Average Yearly Earnings		Increase (+), or Decrease (—), in 1892	
		1891	1892	Amounts	Percentages
Boots and shoes,	731	$512.19	$536.87	+$24.68	+4.82
Carpetings,	12	372.07	386.21	+14.14	+3.80
Cotton goods,	158	344.19	345.62	+1.43	+0.42
Leather,	200	507.02	505.11	—1.91	—0.38
Machines and machinery,	324	557.82	560.04	+2.22	+0.40
Metals and metallic goods,	348	515.56	514.80	—0.76	—0.15
Paper and paper goods,	104	425.13	422.29	—2.84	—0.67
Woollen goods,	142	379.23	388.00	+8.77	+2.31
Worsted goods,	22	373.16	375.54	+2.38	+0.64
Other industries,	2,432	477.45	480.96	+3.51	+0.74
All Industries,	4,473	$445.49	$452.21	+$6.72	+1.51

The averages in the above list are obtained by dividing the total amount of wages paid in each industry, as presented in the preceding table, by the aggregate average number of persons employed therein without discrimination as to sex or age. Such an average is, of course, only useful in comparison with averages similarly obtained. The average wage paid in All Industries, as shown by the final line of the table, was $445.49 in 1891, rising to $452.21 in 1892, a gain of 1.51 per cent; while the aggregate amount of wages paid also increased in each of the nine leading industries, as shown by the preceding table.

It will be noticed that the average yearly earnings declined slightly in Leather, Metals and Metallic Goods, and Paper and Paper Goods; the decline in no case reaching one per cent. In each of the other industries included in the table, an increase in average yearly earnings is shown in 1892 as compared with 1891; this increase in Cotton Goods, Machines and Machinery, and Worsted Goods being very slight, amounting to only 0.42, 0.40, and 0.64 per cent, respectively. In Boots and Shoes the increase was 4.82 per cent; and in Carpetings and Woollen Goods, 3.80 and 2.31 per cent, respectively. In industries other than the nine specifically mentioned, the aggregate increase was but 0.74 per cent.

We have each year pointed out that "the apparent increase or decrease in average yearly earnings, while to a certain extent indicative of fluctuations in employment, has but limited significance when considered alone, as many conditions affect these

averages." The most important elements that should be considered in connection with such an average are the relative number of males and females, the number of day and piece hands, and the different proportions of adult employés in some industries as compared with others. Besides these, the varying degrees of skill required in different industries affect the average yearly earnings, and account for some of the fluctuations observed in them.

As usual, we present for 1892 a table supplying the necessary data for a comparison of the average yearly earnings with the different proportions of sexes and of day and piece hands employed and with the different proportions of adult employés. In this table, which follows, the percentages of males and females employed are obtained from the returns made in 1892. The percentages of day and piece hands and of the employés of different ages, are derived from the returns secured in the Decennial Census of 1885.

Average Yearly Earnings 1892	Industries.	Percentages					
		Persons Employed		Day and Piece Hands: Both Sexes		Age Periods: Both Sexes	
		Males	Females	Day Hands	Piece Hands	Under 21 years	21 years and over
$752.00	Fine art and taxidermy,	77.37	22.63	100.00	-	5.55	94.45
731.83	Fertilizers,	100.00	-	99.79	0.21	1.66	98.34
701.84	Liquors: malt, distilled, and fermented,	99.85	0.15	98.95	1.05	3.41	96.59
682.33	Musical instruments and materials,	97.47	2.53	46.70	53.30	8.19	91.81
680.06	Shipbuilding,	100.00	-	95.31	4.69	5.02	94.98
654.85	Models and patterns,	100.00	-	97.60	2.40	10.78	89.22
641.56	Photographs and photographic materials,	57.86	42.14	93.37	6.63	16.40	83.60
621.83	Cooking, lighting, and heating apparatus,	99.24	0.76	67.22	32.78	7.16	92.84
616.35	Awnings, sails, tents, etc.,	78.67	21.33	93.18	6.82	12.50	87.50
613.34	Tobacco, snuff, and cigars,	68.24	31.76	27.86	72.14	20.07	79.93
602.02	Carriages and wagons,	98.96	1.04	80.55	19.45	7.26	92.74
600.87	Earthen, plaster, and stone ware,	89.43	10.57	77.72	22.28	18.83	81.87
600.38	Railroad construction and equipment,	100.00	-	100.00	-	3.81	96.19
599.23	Arms and ammunition,	92.09	7.91	75.48	24.52	18.65	81.35
594.83	Chemical preparations (compounded),	99.00	1.00	100.00	-	5.98	94.02
594.44	Trunks and valises,	91.70	8.30	99.49	0.51	17.68	82.32
583.00	Clocks, watches, and jewelry,	74.32	25.68	39.44	60.56	14.34	85.66

Average Yearly Earnings 1892	Industries.	Percentages: Persons Employed		Day and Piece Hands: Both Sexes		Age Periods: Both Sexes	
		Males	Females	Day Hands	Piece Hands	Under 21 years	21 years and over
$574.18	Electrical apparatus and appliances,	89.47	10.53	96.65	3.35	11.17	88.83
561.53	Liquors and beverages (not spirituous),	99.87	0.13	100.00	–	7.49	92.51
560.04	Machines and machinery,	98.75	1.25	93.90	6.10	11.60	88.40
553.81	Stone,	100.00	–	70.95	29.05	5.14	94.86
551.28	Printing, publishing, and bookbinding,	69.60	30.40	72.49	27.51	26.49	73.51
547.04	Ink, mucilage, and paste,	66.53	33.47	96.77	3.23	40.32	59.68
543.21	Glass,	93.23	6.77	96.13	3.87	17.72	82.28
543.16	Burial cases, caskets, coffins, etc.,	84.96	15.04	74.72	25.28	9.94	90.06
541.98	Emery and sand paper and cloth, etc.,	96.80	3.20	97.57	2.43	10.19	89.81
541.41	Dyestuffs,	99.73	0.27	94.57	5.43	4.35	95.65
540.70	Paints, colors, and crude chemicals,	96.80	3.20	100.00	–	5.38	94.62
536.87	Boots and shoes,	70.68	29.32	31.06	68.94	14.79	85.21
536.79	Wooden goods,	97.25	2.75	70.90	29.10	15.28	84.72
534.73	Artisans' tools,	96.56	3.44	76.51	23.49	9.63	90.37
533.06	Agricultural implements,	100.00	–	62.48	37.52	8.89	91.11
522.11	Oils and illuminating fluids,	84.28	15.72	96.60	3.40	6.57	93.43
516.82	Electroplating,	94.92	5.08	85.61	14.39	20.14	79.86
514.80	Metals and metallic goods,	90.08	9.92	73.69	26.31	14.88	85.12
507.02	Furniture,	92.05	7.95	64.88	35.12	17.28	82.72
506.86	Crayons, pencils, crucibles, etc.,	98.83	1.17	70.21	29.79	24.47	75.53
505.11	Leather,	96.35	3.65	78.85	21.15	9.32	90.68
487.65	Polishes and dressing,	52.87	47.13	97.91	2.09	10.45	89.55
479.74	Food preparations,	75.50	24.50	92.40	7.60	14.09	85.91
478.26	Straw and palm leaf goods,	37.39	62.61	12.16	87.84	15.30	84.70
475.88	Cement, kaolin, lime, and plaster,	100.00	–	98.27	1.73	6.94	93.06
474.82	Whips, lashes, and stocks,	65.19	34.81	49.82	50.18	12.63	87.37
468.47	Tallow, candles, soap, and grease,	85.03	14.97	88.69	11.31	11.85	88.15
465.59	Lumber,	98.75	1.25	93.13	6.87	5.50	94.50
458.32	Brick, tiles, and sewer pipe,	99.73	0.27	96.97	3.03	6.16	93.84
448.10	Glue, isinglass, and starch,	90.04	9.96	98.90	1.10	17.86	82.14
445.16	Scientific instruments and appliances,	86.19	13.81	74.97	25.03	20.64	79.36
433.94	Hose: rubber, linen, etc.,	81.07	18.93	96.36	3.64	23.64	76.36
433.32	Print works, dye works, and bleacheries,	78.46	21.54	72.14	27.86	19.30	80.70
422.81	Toys and games (children's),	81.38	18.62	44.00	56.00	30.77	69.23
422.29	Paper and paper goods,	54.39	45.61	74.29	25.71	15.70	84.30
420.80	Rubber and elastic goods,	63.66	36.34	50.10	49.90	19.69	80.31
414.52	Drugs and medicines,	52.60	47.40	83.77	16.23	21.82	78.18
411.51	Fireworks and matches,	74.38	25.62	91.18	8.82	42.16	57.84
402.98	Ivory, bone, shell, and horn goods, etc.,	86.61	13.39	71.14	28.86	26.83	73.17
402.42	Clothing,	31.86	68.14	51.24	48.76	16.94	83.06
400.28	Boxes (paper and wooden),	57.88	42.12	59.51	40.49	24.37	75.63
388.00	Woollen goods,	63.50	36.50	60.09	39.91	27.45	72.55

Average Yearly Earnings 1892	Industries.	Percentages					
		Persons Employed		Day and Piece Hands: Both Sexes		Age Periods: Both Sexes	
		Males	Females	Day Hands	Piece Hands	Under 21 years	21 years and over
$386.21	Carpetings,	45.31	54.69	59.70	40.30	32.53	67.47
382.86	Mixed textiles,	70.66	29.34	77.78	22.22	24.89	75.11
381.13	Hair work (animal and human),	47.06	52.94	90.87	9.13	26.44	73.56
380.38	Perfumes, toilet articles, etc.,	39.03	60.97	70.21	29.79	19.15	80.85
377.29	Cotton, woollen, and other textiles,	47.17	52.83	60.29	39.71	25.81	74.19
375.84	Sporting and athletic goods,	70.73	29.27	48.11	51.89	13.58	86.42
375.54	Worsted goods,	50.42	49.58	69.04	30.96	35.59	64.41
369.75	Brooms, brushes, and mops,	51.92	48.08	64.33	35.67	30.10	69.90
357.57	Buttons and dress trimmings,	28.64	71.36	71.77	28.23	22.93	77.07
350.38	Cordage and twine,	59.80	40.20	86.82	13.18	37.81	62.19
347.18	Hosiery and knit goods,	26.51	73.49	28.55	71.45	29.81	70.19
345.62	Cotton goods,	47.79	52.21	44.16	55.84	35.89	64.11
341.22	Silk and silk goods,	30.28	69.72	79.35	20.65	33.96	66.04
333.75	Flax, hemp, jute, and linen goods,	53.97	46.03	75.31	24.69	43.76	56.24
317.10	Fancy articles,	21.94	78.06	62.73	37.27	31.82	68.18
299.08	Corks, bungs, and taps,	86.79	13.21	100.00	-	55.70	44.30
$452.21	All Industries,	66.55	33.45	58.17	41.83	20.49	79.51

The meaning of the foregoing table may be explained by a consideration of its final line. It will be seen that for All Industries the average yearly earnings in 1892 were $452.21. Of the average number of persons employed, 66.55 per cent were males, and 33.45 per cent females. As explained, these percentages are derived from returns made in 1892. In the same industries it was shown in the Decennial Census of 1885, that 58.17 per cent were day hands and 41.83 per cent piece hands, and also that 20.49 per cent of the employés were under twenty-one years of age while 79.51 per cent were twenty-one years of age and over. These proportions, in the absence of later returns, may be held to apply to the industries in 1892. In comparing the industries, one with another, as shown in the table, it will be seen that these different elements have an important bearing upon the average yearly earnings, since the highest earnings will, as a rule, be found to prevail in industries employing males chiefly and a large proportion of adults.

Actual wage conditions in the different industries are more accurately seen from the tables presenting classified weekly wages in connection with each industry presentation, pages 53

to 359. The following table brings forward such a classified wage presentation with percentages for All Industries:

Classification of Weekly Wage.	Percentages			
	1891		1892	
	Males	Females	Males	Females
Under $5,	36.94	63.06	37.34	62.66
$5 but under $6,	32.84	67.16	34.42	65.58
$6 but under $7,	45.03	54.97	45.32	54.68
$7 but under $8,	55.48	44.52	56.47	43.53
$8 but under $9,	62.63	37.37	64.44	35.56
$9 but under $10,	80.51	19.49	80.20	19.80
$10 but under $12,	86.24	13.76	85.23	14.77
$12 but under $15,	93.67	6.33	93.64	6.36
$15 but under $20,	97.24	2.76	97.33	2.67
$20 and over,	99.07	0.93	98.83	1.17
Totals,	65.99	34.01	66.94	33.06

This table indicates that of the operatives receiving less than $5 per week, 36.94 per cent were males in 1891, and 37.34 per cent in 1892. The proportion of females in this class was 63.06 per cent in 1891, and 62.66 per cent in 1892. The proportion of males in each wage class increases quite rapidly after the $9 wage limit is passed, while the proportion of females correspondingly declines. The largest percentages of females are, of course, found in the lowest wage classes, while the exact opposite is true with reference to the males.

The fluctuations in the different wage classes are shown, for the nine leading industries and for All Industries, in the following table.

Industries, and Classification of Weekly Wage.	Percentages					
	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Boots and Shoes.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5,	4.46	16.28	7.95	4.52	16.18	8.06
$5 but under $6,	3.09	9.72	5.06	3.22	10.71	5.49
$6 but under $7,	4.88	13.39	7.40	4.83	12.25	7.08
$7 but under $8,	5.24	11.94	7.23	5.57	12.17	7.57
$8 but under $9,	5.63	10.43	7.05	5.54	11.03	7.21
$9 but under $10,	8.87	11.42	9.63	9.61	11.32	10.12
$10 but under $12,	14.31	12.14	13.66	14.40	12.62	13.86
$12 but under $15,	24.39	10.08	20.15	25.06	9.77	20.43
$15 but under $20,	22.18	4.17	16.85	20.22	3.48	15.14
$20 and over,	6.95	0.43	5.02	7.03	0.47	5.04

Industries, and Classification of Weekly Wage.	Percentages					
	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Carpetings.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5,	20.67	31.89	26.72	15.82	29.96	23.42
$5 but under $6,	7.40	20.28	14.34	7.56	18.09	13.22
$6 but under $7,	12.40	13.91	13.21	13.18	14.14	13.70
$7 but under $8,	7.03	11.15	9.25	7.15	8.92	8.10
$8 but under $9,	11.33	7.22	9.11	9.95	8.21	9.02
$9 but under $10,	12.69	7.12	9.69	12.10	10.45	11.21
$10 but under $12,	9.88	7.65	8.68	11.85	9.38	10.52
$12 but under $15,	11.12	0.74	5.53	13.80	0.82	6.82
$15 but under $20,	5.66	0.04	2.63	6.98	0.03	3.25
$20 and over,	1.82	-	0.84	1.61	-	0.74
Cotton Goods.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5,	19.84	30.77	25.60	17.93	28.60	23.42
$5 but under $6,	9.79	19.88	15.10	9.79	19.50	14.78
$6 but under $7,	17.00	19.74	18.44	16.75	20.39	18.63
$7 but under $8,	11.13	13.70	12.48	11.78	14.55	13.20
$8 but under $9,	10.12	9.38	9.73	9.41	8.67	9.03
$9 but under $10,	10.84	4.65	7.58	10.63	5.41	7.95
$10 but under $12,	10.51	1.75	5.90	11.71	2.61	7.03
$12 but under $15,	6.68	0.13	3.23	7.81	0.25	3.92
$15 but under $20,	2.59	*-	1.23	2.73	0.02	1.33
$20 and over,	1.50	-	0.71	1.46	-	0.71
Leather.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5,	2.38	35.10	3.52	2.19	35.45	3.33
$5 but under $6,	2.23	25.31	3.03	2.12	20.52	2.74
$6 but under $7,	5.10	13.06	5.38	5.02	20.15	5.54
$7 but under $8,	7.46	14.29	7.70	7.00	11.94	7.16
$8 but under $9,	7.72	5.31	7.63	9.93	6.34	9.81
$9 but under $10,	20.31	5.71	19.80	20.03	4.48	19.50
$10 but under $12,	25.14	1.22	24.30	25.93	1.12	25.09
$12 but under $15,	19.28	-	18.61	16.96	-	16.38
$15 but under $20,	8.02	-	7.75	8.38	-	8.09
$20 and over,	2.36	-	2.28	2.44	-	2.36
Machines and Machinery.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5,	5.93	22.17	6.13	6.57	21.99	6.76
$5 but under $6,	3.71	12.27	3.81	3.75	15.77	3.91
$6 but under $7,	6.16	39.62	6.56	5.52	31.95	5.86
$7 but under $8,	7.73	16.04	7.83	7.57	18.26	7.70
$8 but under $9,	6.79	5.66	6.78	7.54	6.22	7.52
$9 but under $10,	12.11	2.36	11.99	11.61	3.32	11.50
$10 but under $12,	13.62	0.94	13.47	14.79	2.07	14.63
$12 but under $15,	21.86	0.94	21.61	20.74	0.42	20.48
$15 but under $20,	17.93	-	17.71	17.52	-	17.30
$20 and over,	4.16	-	4.11	4.39	-	4.34

* Less than one one-hundredth of one per cent.

Industries, and Classification of Weekly Wage.	Percentages					
	1891			1892		
	Males	Females	Totals	Males	Females	Totals
Metals and Metallic Goods.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5,	6.73	22.86	8.33	5.56	24.94	7.50
$5 but under $6,	4.32	19.10	5.79	3.84	18.75	5.32
$6 but under $7,	5.85	21.29	7.38	6.06	24.75	7.92
$7 but under $8,	8.83	19.35	9.87	7.89	15.62	8.66
$8 but under $9,	7.82	8.98	7.94	6.93	8.03	7.04
$9 but under $10,	11.78	4.96	11.10	14.34	3.74	13.28
$10 but under $12,	15.22	2.33	13.94	15.36	2.94	14.12
$12 but under $15,	19.09	1.01	17.30	20.18	0.96	18.27
$15 but under $20,	14.61	0.06	13.16	14.83	0.25	13.38
$20 and over,	5.75	0.06	5.19	5.01	-	4.51
Paper and Paper Goods.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5,	4.33	24.59	13.75	3.37	21.87	11.75
$5 but under $6,	2.26	22.97	11.89	1.93	25.64	12.68
$6 but under $7,	3.73	25.02	13.64	3.48	25.39	13.41
$7 but under $8,	10.77	16.08	13.24	10.71	16.36	13.27
$8 but under $9,	11.24	6.29	8.94	10.82	6.33	8.79
$9 but under $10,	22.15	3.31	13.39	23.98	2.93	14.44
$10 but under $12,	13.19	1.32	7.67	14.40	1.19	8.41
$12 but under $15,	15.45	0.34	8.42	15.28	0.17	8.43
$15 but under $20,	12.95	0.08	6.96	12.57	0.12	6.93
$20 and over,	3.93	-	2.10	3.45	-	1.89
Woollen Goods.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5,	11.00	27.92	17.24	8.90	25.30	15.02
$5 but under $6,	7.04	12.69	9.13	6.70	12.98	9.04
$6 but under $7,	14.27	17.02	15.28	12.99	17.45	14.66
$7 but under $8,	17.48	18.82	17.98	18.84	21.61	19.87
$8 but under $9,	11.24	10.27	10.88	11.55	9.60	10.82
$9 but under $10,	13.88	7.12	11.38	14.53	7.36	11.85
$10 but under $12,	11.95	5.09	9.42	12.43	4.89	9.62
$12 but under $15,	7.53	1.04	5.13	8.08	0.81	5.37
$15 but under $20,	3.97	0.03	2.52	4.03	-	2.53
$20 and over,	1.64	-	1.04	1.95	-	1.22
Worsted Goods.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5,	10.77	27.93	19.29	9.16	21.80	15.43
$5 but under $6,	8.55	28.52	15.98	10.19	26.06	18.06
$6 but under $7,	11.44	27.45	19.38	11.08	25.64	18.30
$7 but under $8,	18.26	8.39	13.36	18.73	11.79	15.29
$8 but under $9,	8.60	4.80	6.71	8.42	7.11	7.77
$9 but under $10,	10.56	3.67	7.14	11.36	3.19	7.31
$10 but under $12,	15.47	3.64	9.60	12.01	4.04	8.06
$12 but under $15,	11.44	0.58	6.05	13.37	0.37	6.92
$15 but under $20,	3.21	0.02	1.63	3.95	-	1.99
$20 and over,	1.76	-	0.86	1.73	-	0.87

Industries, and Classification of Weekly Wage.	Percentages					
	1891			1892		
	Males	Females	Totals	Males	Females	Totals
ALL INDUSTRIES.	100.00	100.00	100.00	100.00	100.00	100.00
Under $5, ...	8.08	26.75	14.43	7.47	25.38	13.39
$5 but under $6, . . .	4.72	18.75	9.50	4.71	18.19	9.17
$6 but under $7, . . .	7.92	18.76	11.60	7.71	18.85	11.39
$7 but under $8, . . .	8.51	13.26	10.13	8.80	13.74	10.43
$8 but under $9, . . .	7.75	8.97	8.16	7.98	8.91	8.29
$9 but under $10, . . .	12.61	5.93	10.34	12.97	6.48	10.83
$10 but under $12, . . .	14.41	4.46	11.02	14.75	5.18	11.59
$12 but under $15, . . .	17.33	2.27	12.21	17.55	2.41	12.54
$15 but under $20, . . .	14.07	0.77	9.54	13.54	0.75	9.31
$20 and over, ...	4.60	0.08	3.07	4.52	0.11	3.06

In this table, the total number of males, the total number of females, and the total number of employés of both sexes were each considered as representing 100 per cent, and the number of employés in each wage class constitute parts of this aggregate, or in other words, are represented by percentages which totalize to 100. In All Industries, that class in which the proportion of the sexes is about the same, and is also similar to the proportion of all employés receiving a specific wage, is the class receiving $8 but under $9 per week. In 1891, 8.16 per cent of all the employés were found in this class, and in 1892, 8.29 per cent. The percentages of males in this class in 1891 and 1892 were 7.75 and 7.98, respectively; and of females 8.97 and 8.91, respectively. The percentage of females receiving less than $5 a week declined in 1892 to 25.38 as against 26.75 found in this class in 1891, and the percentage of males also declined from 8.08 in 1891 to 7.47 in 1892. The percentages of males and females receiving $5 but under $6, $6 but under $7, and $7 but under $8, do not materially differ in either year. The percentages of females receiving $9 but under $10, $10 but under $12, and $12 but under $15, are somewhat larger in 1892 than in 1891, while the percentages of males in these classes are practically the same in each year. The corresponding details as for the nine leading industries will be readily seen upon examination of the table.

For the purpose of bringing clearly before the reader the

fact of increase or decrease in the aggregate number of employés receiving specified wage in each of the classified wage classes, in 1892 as compared with 1891, the following table is introduced:

Industries, and Sex.	Increase (+), Decrease (−), or No Change (=), in Number of Persons Receiving Specified Weekly Wage in 1892 as Compared with 1891									
	Under $5	$5 but under $6	$6 but under $7	$7 but under $8	$8 but under $9	$9 but under $10	$10 but under $12	$12 but under $15	$15 but under $20	$20 and over
Boots and Shoes.	+	+	−	+	+	+	+	+	−	+
Males,	+	+	−	+	−	+	+	+	−	+
Females,	−	+	−	+	+	−	+	−	−	+
Carpetings.	−	−	+	−	−	+	+	+	+	−
Males,	−	+	+	+	−	−	+	+	+	−
Females,	−	−	+	−	+	+	+	+	−	×
Cotton Goods.	−	−	+	+	−	+	+	+	+	=
Males,	−	=	−	+	−	−	+	+	+	−
Females,	−	−	+	+	−	+	+	+	+	×
Leather.	−	−	+	−	+	−	+	−	+	+
Males,	−	−	−	−	+	−	+	−	+	+
Females,	+	−	+	−	+	−	−	×	×	×
Machines and Machinery.	+	+	−	−	+	−	+	−	−	+
Males,	+	+	−	−	+	−	+	−	−	+
Females,	−	+	−	+	+	+	+	−	×	×
Metals and Metallic Goods.	−	−	+	−	−	+	+	+	+	−
Males,	−	−	+	−	−	+	+	+	+	−
Females,	+	−	+	−	−	−	+	−	+	−
Paper and Paper Goods.	−	+	−	+	−	+	+	+	−	−
Males,	−	−	−	−	−	+	+	−	−	−
Females,	−	+	+	+	+	−	−	−	+	×
Woollen Goods.	−	−	−	+	−	+	+	+	+	+
Males,	−	−	−	+	+	+	+	+	+	+
Females,	−	+	+	+	−	+	−	−	−	×
Worsted Goods.	−	+	−	+	+	+	−	+	+	+
Males,	−	+	−	+	−	+	−	+	+	+
Females,	−	+	−	+	+	−	+	−	−	×
All Industries.	−	−	−	+	+	+	+	+	−	−
Males,	−	−	−	+	+	+	+	+	−	−
Females,	−	−	+	+	−	+	+	+	−	+

In this table, increases in the number of persons receiving a specified wage in each wage class are shown by the sign (+), decreases by the sign (—), while no change is indicated by (=). Wherever, in any class, no employés were returned as receiving the specified wage, the fact is indicated by the sign (×). With these explanations, the meaning of the table will be clear.

We confine our analysis to All Industries. It will be seen that the total number of males receiving less than $5 per week, those receiving $5 but under $6, $6 but under $7, $15 but under $20, and $20 and over declined in 1892 as compared with 1891; while the total number receiving $7 but under $8, $8 but under $9, $9 but under $10, $10 but under $12, and $12 but under $15 increased. The number of males increased in each of the wage classes in which increases are shown for all employés in the aggregate, and the number of females also increased in each of these classes except that receiving $8 but under $9. A decrease is shown for all employés in the aggregate in the following classes: Under $5, $5 but under $6, $6 but under $7, $15 but under $20, and $20 and over.

PROPORTION OF BUSINESS DONE: BY INDUSTRIES.

The statistical presentation relating to this subject will be found on pages 50 and 51.

Proportion of Business Done.

In computing the proportion of business done, maximum production, that is to say, the greatest amount of goods that can be turned out with the present facilities is considered 100 per cent. We confine our analysis to the nine principal industries, and to All Industries, reproducing the figures from the table on the pages quoted above.

In the 4,473 establishments making return in each year, the proportion of business done in 1891 is represented by 68.56 per cent, and in 1892 by 69.31 per cent, an increase of 0.75 per cent. Cotton Goods is the only industry in which production approximated full capacity in both years, the percentage being 91.53 in 1891 and 93.28 in 1892. Next to this industry

ranks Worsted Goods in which the establishments ran to 87.68 per cent of the full capacity in 1891, and 88.59 per cent in 1892. Other industries in which production exceeded 80 per cent in each year are Carpetings, in which the percentages are 81.25 and 81.83, in 1891 and 1892, respectively; Paper and Paper Goods, the percentages being 85.64 and 87.12; and Woollen Goods, in which the percentages are 84.06 and 86.20. In Metals and Metallic Goods, the production reached 68.95 per cent of the full capacity in 1891 and 69.84 per cent in 1892, these percentages being fractionally higher than the percentages shown for All Industries.

The other principal industries are Boots and Shoes, Leather, and Machines and Machinery. In each of these, production was slightly less than indicated by the percentages for All Industries, both in 1891 and 1892. In Boots and Shoes the percentage for 1891 is 65.47, rising to 68.24 in 1892. In Leather the corresponding percentages are 67.78 and 69.17; and in Machines and Machinery 65.68 and 67.25.

Without exception, so far as these nine leading industries are concerned, and also with respect to All Industries, the proportion of business done in 1892 increased as compared with 1891, although, as will be seen, the percentages of increase in some instances are quite small. Confining the analysis to 1892 only, it will be noted that in All Industries considered together, production approximated seven-tenths of the full capacity of the establishments. In Boots and Shoes, Leather, Machines and Machinery, and Metals and Metallic Goods the same condition obtained. In Carpetings, production was slightly greater than eight-tenths of the full capacity; while in Paper and Paper Goods, Woollen Goods, and Worsted Goods nearly nine-tenths of the full capacity was reached. In Cotton Goods, production slightly exceeded nine-tenths of the full capacity of establishments making return.

When considering the proportion of business done, shown in detail under the various industry presentations, we find that a certain number of establishments were run to their full capacity. The number of such establishments in comparison with the total number of establishments for All Industries is brought forward from page 356 in the following table:

Classification.	Number of Establishments		Percentages	
	1891	1892	1891	1892
Full capacity (100 per cent), ...	641	696	14.33	15.56
Less than full capacity, ...	3,832	3,777	85.67	84.44
Totals, ...	4,473	4,473	100.00	100.00

The comparison in the preceding table indicates that 14.33 per cent of all the establishments making return were run to their full capacity in 1891, and in 1892 this percentage rose to 15.56. The total number of establishments running to full capacity in 1892 shows an increase of 55, or 8.58 per cent, as compared with 1891. Of course, a corresponding decrease is shown in the establishments running less than full capacity in 1892, this decrease being equivalent to 1.44 per cent.

In the following table, we present a classification of percentages indicating the proportion of business done, and the number of establishments in each percentage class in the years 1891 and 1892, together with the relative percentages which such establishments bore to the total number of establishments in each year:

Classification of Percentages.	Number of Establishments		Percentages	
	1891	1892	1891	1892
Under 10 per cent, ...	5	10	0.11	0.22
10 but under 20 per cent, ...	74	87	1.65	1.94
20 but under 30 per cent, ...	255	261	5.70	5.83
30 but under 40 per cent, ...	159	170	3.56	3.80
40 but under 50 per cent, ...	106	113	2.37	2.53
50 but under 60 per cent, ...	853	779	19.07	17.42
60 but under 70 per cent, ...	468	423	10.46	9.46
70 but under 80 per cent, ...	987	917	22.07	20.50
80 but under 90 per cent, ...	478	505	10.69	11.29
90 but under 100 per cent, ...	447	512	9.99	11.45
100 per cent, ...	641	696	14.33	15.56
Totals, ...	4,473	4,473	100.00	100.00

As previously noted, a slight increase appears in the number of establishments running to full capacity in 1892 as compared with 1891. An increase also appears in each percentage

class in the preceding table except the classes reporting 50 but under 60 per cent, 60 but under 70 per cent, and 70 but under 80 per cent. As usual, the greatest condensation in the proportion of business done in each year appears in the class reporting 70 but under 80 per cent. In 1891, 22.07 per cent of all the establishments were found in this class, but in 1892 only 20.50 per cent of all the establishments appeared therein.

In the four classes indicating highest production (that is, those reporting 70 but under 80 per cent, 80 but under 90 per cent, 90 but under 100 per cent, and those reporting 100 per cent) 58.80 per cent of all the establishments were included in 1892, and 57.08 per cent in 1891. This indicates a slight increase in the proportion of business done in 1892 as compared with 1891, so far as the same can be measured by the number of establishments which approximate their full capacity of production.

Days in Operation.

The statistical presentation relating to this division of the subject will also be found on pages 50 and 51. In the following analysis table, brought forward from pages 357 to 359, the total number of establishments in operation during the entire year is presented in comparison with the establishments which were in operation less than the entire year:

Classification.	Number of Establishments		Percentages	
	1891	1892	1891	1892
In operation during the entire year, . .	2,035	2,034	45.50	45.47
In operation less than the entire year, . .	2,438	2,439	54.50	54.53
Totals, ...	4,473	4,473	100.00	100.00

Confining our analysis to the percentages shown in the above table, it appears that 45.50 per cent of all the establishments making return were in operation during the entire year in 1891, and 45.47 per cent in 1892. It follows, therefore, that 54.50 per cent were in operation less than the entire year in 1891, and 54.53 per cent in 1892. The change in percentages

is so slight that substantially the same conditions may be said to obtain in each year.

In the following table, the establishments are classified with respect to the number of days in operation so far as relates to All Industries:

Classification of Days in Operation.	Number of Establishments		Percentages	
	1891	1892	1891	1892
Under 100 days,	33	41	0.73	0.92
100 days but under 150 days,	50	48	1.11	1.07
150 days but under 200 days,	110	132	2.46	2.95
200 days but under 250 days,	266	232	5.95	5.19
250 days but under 300 days,	979	937	21.89	20.95
300 days but under 306 days,	1,000	1,049	22.36	23.45
306 days and over,	2,035	2,034	45.50	45.47
Totals,	4,473	4,473	100.00	100.00

The total number of working days in the year, exclusive of Sundays and holidays, is 306. Some of the establishments in each year ran more than 306 days, and therefore were in operation not only upon working days but upon either holidays or Sundays. These establishments are those specified as in operation during the entire year in the table, on page 413, and, of course, the percentages which these establishments constitute of the total number of establishments are the same as those previously quoted, namely, 45.50 in 1891 and 45.47 in 1892.

In 1891, 22.36 per cent of all the establishments ran 300 days but under 306 days. The corresponding percentage for 1892 is 23.45. Allowing six days for a vacation, as well as excluding holidays and Sundays, it may be considered that establishments running 300 days were in operation during the entire year. If these be included with the establishments running 306 days and over, we find 67.86 per cent of all the establishments in 1891 and 68.92 per cent in 1892. It is therefore fair to say that a larger proportion of establishments were run practically the entire year in 1892 than in 1891, and this corresponds with the increase in the number of establishments which approximated full productive capacity, as shown in the

tables previously presented under "Proportion of Business Done."

We may, however, compute the possible working time on the basis of days for all establishments, and compare this with the actual running time. This is done in the following table:

Classification of Yearly Working Time.	Number of Establishments Considered	Number of Days	
		1891	1892
Possible working time,	4,473	1,368,738	1,368,738
Actual running time,	4,473	1,285,378	1,286,209
Lost time (stoppages, strikes, etc.),	4,473	83,360	82,529
Percentage of actual running time of possible working time,	4,473	93.91	93.97

The aggregate number of possible working days for the 4,473 establishments is 1,368,738. The actual running time based upon the number of days in operation as returned, amounted to 1,285,378 days in 1891, and 1,286,209 in 1892. This indicates that the actual number of working days lost in 1891, due to stoppages for various causes, such as vacations, repairs, strikes, etc., was 83,360 in 1891, but only 82,529 in 1892. The decrease when expressed in percentages is very slight, inasmuch as the percentage of actual running time of possible working time in 1891 was 93.91 increasing only fractionally in 1892, in which year the percentage was 93.97.

SUMMARY.

It is customary in these reports to summarize the leading points relative to the condition of the different industries in a series of four tables in which the industries are separated into classes, these classes being based upon differences in the returns as to the average number of days in operation and the average proportion of business done.

The following table includes industries of the first class:

Industries.	Increase (+), or Decrease (−), in 1892 as compared with 1891 in—				
	Average Number of Days in Operation	Average Proportion of Business Done	Average Yearly Earnings	Average Number of Persons Employed	"Range"
Agricultural implements,	+7.51	+6.82	+$14.38	−15	+8
Boots and shoes,	+3.53	+2.77	+24.68	+2,690	−413
Boxes (paper and wooden),	+3.88	+0.78	+18.28	+236	−59
Brooms, brushes, and mops,	+1.82	+1.55	+9.45	+35	+16
Carpetings,	+1.60	+0.58	+14.14	+9	−3
Carriages and wagons,	+1.84	+1.33	+6.80	+41	−1
Cement, kaolin, lime, and plaster,	+11.18	+6.43	+7.66	+6	+10
Chemical preparations (compounded),	+12.82	+2.82	+2.00	+44	+21
Clothing,	+0.92	+1.70	+1.89	+1,051	+310
Cooking, lighting, and heating apparatus,	+3.95	+3.89	−2.85	+85	−138
Fertilizers,	+17.73	+8.67	+23.68	−1	−4
Fine arts and taxidermy,	+29.94	+16.67	+132.78	+3	*=
Hair work (animal and human),	+1.84	+2.50	+15.56	−3	+12
Hosiery and knit goods,	+0.49	+2.98	+15.77	−588	+434
Leather,	+7.83	+1.39	−1.91	+746	−66
Liquors: malt, distilled, and fermented,	+0.44	+2.15	+24.12	+56	−78
Machines and machinery,	+6.20	+1.57	+2.22	+608	+677
Models and patterns,	+0.23	+3.89	+114.79	+2	+3
Printing, publishing, and bookbinding,	+0.80	+4.85	+3.97	+38	−45
Print works, dye works, and bleacheries,	+4.12	+2.76	+5.30	+589	+227
Railroad construction and equipment,	+48.95	+2.14	+9.85	+262	−69
Sporting and athletic goods,	+1.40	+4.10	+35.71	+27	+63
Tobacco, snuff, and cigars,	+0.60	+0.55	+36.17	+283	+268
Trunks and valises,	+0.09	+2.86	+13.51	+3	+12
Wooden goods,	+3.99	+4.09	+18.82	+168	+136

* No change.

The industries comprised in the class to which this table relates are those showing *an increase in the average number of days in operation and also in the average proportion of business done* in 1892 as compared with 1891. All of the industries thus grouped, except Carpetings, show an increase also in the value of goods made, the decrease in Carpetings being 8.44 per cent.

The percentages of increase in the average number of days in operation, ranging from less than one per cent in a number of cases to 48.95 in the single instance of Railroad Construction and Equipment, may be readily determined from the table. The percentages of increase in the average proportion of business done may also be seen. These range from 0.55 per cent in Tobacco, Snuff, and Cigars to 16.67 per cent in Fine Arts and Taxidermy.

Average yearly earnings increased in all the industries in this class except Cooking, Lighting, and Heating Apparatus and Leather, in each of which a slight decrease appears. The average number of persons employed increased in all, except Agricultural Implements; Fertilizers; Hair Work (Animal and Human); and Hosiery and Knit Goods, although the increase in several industries is trivial. The range of unemployment, indicated by the difference between the smallest and greatest number of persons employed, was narrower in 1892 than in 1891 in Boots and Shoes; Boxes (Paper and Wooden); Carpetings; Carriages and Wagons; Cooking, Lighting, and Heating Apparatus; Fertilizers; Leather; Liquors: Malt, Distilled, and Fermented; Printing, Publishing, and Bookbinding; and Railroad Construction and Equipment, the differences in most cases being very slight.

Industries of the second class are presented in the following table:

Industries.	Increase (+), or Decrease (—), in 1892 as compared with 1891 in—				
	Average Number of Days in Operation	Average Proportion of Business Done	Average Yearly Earnings	Average Number of Persons Employed	"Range"
Awnings, sails, tents, etc.,	+0.13	—5.54	—$2.34	+6	—14
Brick, tiles, and sewer pipe,	+6.80	—1.00	—2.57	—38	+1
Burial cases, caskets, coffins, etc.,	+0.06	—2.00	+21.57	+6	+1
Clocks, watches, and jewelry,	+4.07	—1.51	+12.10	—71	—45
Corks, bungs, and taps,	+2.11	—6.33	—5.62	+4	—8
Earthen, plaster, and stone ware,	+15.78	—23.84	+90.00	—26	—43
Electrical apparatus and appliances,	+0.43	—2.76	—30.47	+1,176	—423
Food preparations,	+2.21	—0.59	—10.64	+560	+100
Furniture,	+0.02	—0.47	+3.20	—69	—4
Glue, isinglass, and starch,	+1.45	—0.72	+0.34	+5	+15
Ink, mucilage, and paste,	+0.90	—7.22	—8.52	—4	+68
Lumber,	+23.16	—0.96	—18.01	+52	—209
Mixed textiles,	+8.90	—0.92	—7.54	+62	+10
Photographs and photographic materials,	+0.31	—5.67	+32.30	+1	+8
Silk and silk goods,	+4.43	—0.73	—8.73	+19	+42
Straw and palm leaf goods,	+22.85	—0.55	+20.58	+34	—73
Whips, lashes, and stocks,	+3.46	—3.33	+32.84	—7	—16

The industries in this class are those which show in 1892 as compared with 1891 *an increase in the average number of days in operation and a decrease in the average proportion of business done.* An increase in average yearly earnings is shown

in the following industries in this class: Burial Cases, Caskets, Coffins, etc.; Clocks, Watches, and Jewelry; Earthen, Plaster, and Stone Ware; Furniture; Glue, Isinglass, and Starch; Photographs and Photographic Materials; Straw and Palm Leaf Goods; and Whips, Lashes, and Stocks, although in the case of Glue, Isinglass, and Starch the increase is less than one per cent. In six of the industries in this class, namely, Brick, Tiles, and Sewer Pipe; Clocks, Watches, and Jewelry; Earthen, Plaster, and Stone Ware; Furniture; Ink, Mucilage, and Paste; and Whips, Lashes, and Stocks, slight decreases appear in the average number of persons employed, but in each of the other industries the average number of persons employed increased. The range of unemployment is narrower in 1892 than in 1891 in Awnings, Sails, Tents, etc.; Clocks, Watches, and Jewelry; Corks, Bungs, and Taps; Earthen, Plaster, and Stone Ware; Electrical Apparatus and Appliances; Furniture; Lumber; Straw and Palm Leaf Goods; and Whips, Lashes, and Stocks.

All of the industries in this class show increase in product except Brick, Tiles, and Sewer Pipe; Burial Cases, Caskets, Coffins, etc.; Earthen, Plaster, and Stone Ware; Electrical Apparatus and Appliances; Photographs and Photographic Materials; and Straw and Palm Leaf Goods.

The next table presents industries of the third class.

Industries.	Increase (+), or Decrease (−), in 1892 as compared with 1891 in —				
	Average Number of Days in Operation	Average Proportion of Business Done	Average Yearly Earnings	Average Number of Persons Employed	"Range"
Cotton goods,	−8.00	+1.75	+$1.43	+2,470	+1,659
Cotton, woollen, and other textiles,	−7.79	+10.00	−13.23	−29	+208
Drugs and medicines,	−0.06	+2.77	+16.65	−3	−23
Emery and sand paper and cloth, etc.,	−3.43	+0.07	+35.13	−13	−29
Fireworks and matches,	−2.95	+6.67	+38.74	+5	+8
Metals and metallic goods,	−2.35	+0.89	−0.76	+603	−27
Musical instruments and materials,	−2.36	+3.84	+15.46	+117	+51
Oils and illuminating fluids,	−0.09	+3.67	−16.77	−33	−23
Paints, colors, and crude chemicals,	−1.23	+2.76	+2.87	−8	−10
Paper and paper goods,	−9.20	+1.48	−2.84	+620	+256
Rubber and elastic goods,	−8.94	+7.06	−15.37	+446	+250
Toys and games (children's),	−0.66	+3.00	+25.32	+26	−6
Woollen goods,	−0.46	+2.14	+8.77	+431	+405
Worsted goods,	−1.90	+0.91	+2.38	+567	+544

Industries of the third class include those which show *a decline in the average number of days in operation but a greater average proportion of business done.*

Of these, all, except Cotton, Woollen and Other Textiles; Musical Instruments and Materials; and Oils and Illuminating Fluids, show an increase in value of product. All, except Cotton, Woollen, and Other Textiles; Metals and Metallic Goods; Oils and Illuminating Fluids; Paper and Paper Goods; and Rubber and Elastic Goods, show an increase in average yearly earnings. All, except Cotton, Woollen, and Other Textiles; Drugs and Medicines; Emery and Sand Paper and Cloth, etc.; Oils and Illuminating Fluids; and Paints, Colors, and Crude Chemicals, show an increase in the average number of persons employed.

The range of unemployment is narrower in 1892 than in 1891 in Drugs and Medicines; Emery and Sand Paper and Cloth, etc.; Metals and Metallic Goods; Oils and Illuminating Fluids; Paints, Colors, and Crude Chemicals; and Toys and Games (Children's).

The final table in this series presents industries of the fourth class.

Industries.	Increase (+), or Decrease (—), in 1892 as compared with 1891 in —				
	Average Number of Days in Operation	Average Proportion of Business Done	Average Yearly Earnings	Average Number of Persons Employed	"Range"
Arms and ammunition,	—8.51	—6.92	—$9.61	+63	—116
Artisans' tools,	—1.35	—1.20	—19.31	+77	—50
Buttons and dress trimmings,	—0.37	—3.83	+7.90	+112	+36
Cordage and twine,	—5.86	—1.94	+13.84	+440	+666
Crayons, pencils, crucibles, etc.,	—17.04	—1.66	—45.79	—5	+3
Dyestuffs,	—7.76	—4.33	+5.10	—16	+15
Electroplating,	—3.40	—3.09	—1.25	+5	—2
Fancy articles,	—3.29	—0.42	+22.67	+14	—5
Flax, hemp, jute, and linen goods,	—4.16	—4.37	+12.03	+70	+317
Glass,	—0.73	—1.00	+60.59	+28	+84
Hose: rubber, linen, etc.,	—3.65	—6.25	+2.23	+28	+22
Ivory, bone, shell, and horn goods, etc.,	—6.35	—2.50	—52.29	+59	+27
Liquors and beverages (not spirituous),	—1.74	—3.48	+54.91	+17	+33
Perfumes, toilet articles, etc.,	—1.46	—3.33	—31.35	+3	*=
Polishes and dressing,	—4.90	—0.63	—7.69	—16	+30
Scientific instruments and appliances,	—2.09	—0.95	+4.87	+21	+32
Shipbuilding,	—0.64	—5.34	+1.11	—25	—41
Stone,	—15.74	—6.71	—6.58	—702	+960
Tallow, candles, soap, and grease,	—5.58	—0.14	—8.59	+58	+40

* No change.

The industries grouped in the fourth class are those which show *a decrease in the average number of days in operation and also in the average proportion of business done.*

Notwithstanding these decreases all of these industries report an increased product value, except Crayons, Pencils, Crucibles, etc.; Dyestuffs; Flax, Hemp, Jute, and Linen Goods; Perfumes, Toilet Articles, etc.; Shipbuilding; and Stone. Increased average annual earnings appear in all except Arms and Ammunition; Artisans' Tools; Crayons, Pencils, Crucibles, etc.; Electroplating; Ivory, Bone, Shell, and Horn Goods, etc.; Perfumes, Toilet Articles, etc.; Polishes and Dressing; Stone; and Tallow, Candles, Soap, and Grease; an increase in the average number of persons employed is shown in all except Crayons, Pencils, Crucibles, etc.; Dyestuffs; Polishes and Dressing; Shipbuilding; and Stone, while the range of unemployment was narrower in 1892 than in 1891 in Arms and Ammunition; Artisans' Tools; Electroplating; Fancy Articles; and Shipbuilding.

In the following table is presented a graphic portrayal of conditions in each industry in 1892 as compared with 1891, with respect to the total amount of capital invested, value of goods made and work done, total amount of wages paid, and average number of persons employed. An increase in any of these items is indicated by the sign (+) and a decrease by the sign (—).

Industries.	Increase (+), or Decrease (—), in 1892 as compared with 1891 in—			
	Amount of Capital Invested	Value of Goods Made and Work Done	Total Amount of Wages Paid	Average Number of Persons Employed
Agricultural implements,	+	+	+	—
Arms and ammunition,	+	+	+	+
Artisans' tools,	—	+	+	+
Awnings, sails, tents, etc.,	+	+	+	+
Boots and shoes,	+	+	+	+
Boxes (paper and wooden),	+	+	+	+
Brick, tiles, and sewer pipe,	+	—	—	—
Brooms, brushes, and mops,	—	+	+	+
Burial cases, caskets, coffins, etc.,	—	—	+	+
Buttons and dress trimmings,	+	+	+	+
Carpetings,	+	—	+	+
Carriages and wagons,	+	+	+	+
Cement, kaolin, lime, and plaster,	—	+	+	+

Industries.	Increase (+), or Decrease (−), in 1892 as compared with 1891 in —			
	Amount of Capital Invested	Value of Goods Made and Work Done	Total Amount of Wages Paid	Average Number of Persons Employed
Chemical preparations (compounded),	+	+	+	+
Clocks, watches, and jewelry,	−	+	−	−
Clothing,	+	+	+	+
Cooking, lighting, and heating apparatus,	−	+	+	+
Cordage and twine,	−	+	+	+
Corks, bungs, and taps,	−	+	+	+
Cotton goods,	+	+	+	+
Cotton, woollen, and other textiles,	+	−	−	−
Crayons, pencils, crucibles, etc.,	−	−	−	−
Drugs and medicines,	−	+	+	−
Dyestuffs,	+	−	−	−
Earthen, plaster, and stone ware,	+	−	+	−
Electrical apparatus and appliances,	+	−	+	+
Electroplating,	−	+	+	+
Emery and sand paper and cloth, etc.,	+	+	+	−
Fancy articles,	+	+	+	+
Fertilizers,	+	+	+	−
Fine arts and taxidermy,	+	+	+	+
Fireworks and matches,	+	+	+	+
Flax, hemp, jute, and linen goods,	+	−	+	+
Food preparations,	+	+	+	+
Furniture,	+	+	−	−
Glass,	+	+	+	+
Glue, isinglass, and starch,	+	+	+	+
Hair work (animal and human),	+	+	+	−
Hose: rubber, linen, etc.,	−	+	+	+
Hosiery and knit goods,	+	+	−	−
Ink, mucilage, and paste,	+	+	−	−
Ivory, bone, shell, and horn goods, etc.,	+	+	−	+
Leather,	+	+	+	+
Liquors and beverages (not spirituous),	+	+	+	+
Liquors: malt, distilled, and fermented,	+	+	+	+
Lumber,	−	+	+	+
Machines and machinery,	+	+	+	+
Metals and metallic goods,	+	+	+	+
Mixed textiles,	+	+	+	+
Models and patterns,	−	+	+	+
Musical instruments and materials,	+	−	+	+
Oils and illuminating fluids,	−	−	−	−
Paints, colors, and crude chemicals,	−	+	−	−
Paper and paper goods,	+	+	+	+
Perfumes, toilet articles, etc.,	−	−	−	+
Photographs and photographic materials,	−	−	+	+
Polishes and dressing,	+	+	−	−
Printing, publishing, and bookbinding,	+	+	+	+
Print works, dye works, and bleacheries,	+	+	+	+
Railroad construction and equipment,	+	+	+	+
Rubber and elastic goods,	−	+	+	+
Scientific instruments and appliances,	+	+	+	+
Shipbuilding,	−	−	−	−
Silk and silk goods,	−	+	−	+

Industries.	Increase (+), or Decrease (—), in 1892 as compared with 1891 in—			
	Amount of Capital Invested	Value of Goods Made and Work Done	Total Amount of Wages Paid	Average Number of Persons Employed
Sporting and athletic goods,	+	+	+	+
Stone,	+	—	—	—
Straw and palm leaf goods,	+	—	+	+
Tallow, candles, soap, and grease,	+	+	+	+
Tobacco, snuff, and cigars,	—	+	+	+
Toys and games (children's),	+	+	+	+
Trunks and valises,	—	+	+	+
Whips, lashes, and stocks,	+	+	+	—
Wooden goods,	+	+	+	+
Woollen goods,	+	+	+	+
Worsted goods,	+	+	+	+
All Industries,	+	+	+	+

All Industries in the aggregate shows an increased amount of capital invested, an enlarged product value, a larger amount disbursed in wages, and a larger average number of persons employed. The same statement applies to the following industries, 32 in number:

Arms and Ammunition.
Awnings, Sails, Tents, etc.
Boots and Shoes.
Boxes (Paper and Wooden).
Buttons and Dress Trimmings.
Carriages and Wagons.
Chemical Preparations (Compounded).
Clothing.
Cotton Goods.
Fancy Articles.
Fine Arts and Taxidermy.
Fireworks and Matches.
Food Preparations.
Glass.
Glue, Isinglass, and Starch.
Leather.
Liquors and Beverages (Not Spirituous).
Liquors: Malt, Distilled, and Fermented
Machines and Machinery.
Metals and Metallic Goods.
Mixed Textiles.
Paper and Paper Goods.
Printing, Publishing, and Bookbinding.
Print Works, Dye Works, and Bleacheries.
Railroad Construction and Equipment.
Scientific Instruments and Appliances.
Sporting and Athletic Goods.
Tallow, Candles, Soap, and Grease.
Toys and Games (Children's).
Wooden Goods.
Woollen Goods.
Worsted Goods.

Three industries, only, show a smaller capital, diminished product value, a decline in the aggregate amount paid in wages, and a smaller average number of persons employed. These are:

Crayons, Pencils, Crucibles, etc.
Oils and Illuminating Fluids.
Shipbuilding.

In 13 industries a smaller capital is returned but, nevertheless, an increase in each of the other items. These are:

Artisans' Tools.
Brooms, Brushes, and Mops.
Cement, Kaolin, Lime, and Plaster.
Cooking, Lighting, and Heating Apparatus.
Cordage and Twine.
Corks, Bungs, and Taps.
Electroplating.
Hose: Rubber, Linen, etc.
Lumber.
Models and Patterns.
Rubber and Elastic Goods.
Tobacco, Snuff, and Cigars.
Trunks and Valises.

On the other hand, there are four industries which show an increase in capital accompanied by a decline in each of the other items. These are:

Brick, Tiles, and Sewer Pipe.
Cotton, Woollen, and Other Textiles.
Dyestuffs.
Stone.

The following condensed summary reproduces from the various statistical presentations the leading facts relative to All Industries:

Classification.	1891	1892	Increase (+), or Decrease (−), in 1892	
			Amounts	Percentages
Number of private firms,	3,638	3,591	−47	−1.29
Number of corporations,	815	861	+46	+5.64
Number of partners,	5,856	5,758	−98	−1.67
Number of stockholders,	37,384	39,601	+2,217	+5.93
Amount of capital invested,	$431,691,711	$445,405,459	+$13,713,748	+3.18
Value of stock used,	$361,073,213	$377,394,119	+$16,315,906	+4.52
Value of goods made and work done,	$618,347,697	$651,528,562	+$33,180,865	+5.37
Persons employed:				
Average number,	298,631	312,146	+13,515	+4.53
Smallest number,	260,419	271,399	+10,980	+4.22
Greatest number,	335,919	352,939	+17,020	+5.07
Excess of greatest over smallest number,	75,500	81,540	+6,040	+8.00
Total amount paid in wages,	$133,036,009	$141,156,063	+$8,120,054	+6.10
Average yearly earnings,	$445.49	$452.21	+$6.72	+1.51
Average proportion of business done,	68.56	69.31	+0.75	+1.09
Average number of days in operation,	296.78	297.14	+0.36	+0.12

Some of the percentages of variation in the different elements surrounding production in 1892 as compared with 1891 are

slight. In every case the percentages indicate increases except in the number of private firms and the number of partners, both of which declined; the percentages being 1.29 and 1.67, respectively. This decline, it will be remembered, is due to changes from the private firm to the corporate basis on the part of the establishments making return in each year. The same cause accounts for the percentages of increase in the number of corporations and in the number of stockholders, which are 5.64 and 5.93, respectively. It will be remembered that these returns are rendered by identical establishments in each year. In these establishments, capital increased to the extent of 3.18 per cent, value of stock used, 4.52 per cent, and value of goods made and work done, 5.37 per cent.

	Industries.	Number of Establishments Considered	Amount of Capital Invested	Average Number of Persons Employed
1	Boots and shoes,	731	$31,038,328	49,735
2	Carpetings,	12	8,078,754	5,065
3	Cotton goods,	158	120,623,314	74,110
4	Leather,	200	9,024,408	6,753
5	Machines and machinery,	324	26,467,456	16,627
6	Metals and metallic goods,	348	21,802,040	14,913
7	Paper and paper goods,	104	23,499,553	10,763
8	Woollen goods,	142	28,440,826	18,199
9	Worsted goods,	22	10,899,489	8,577

[Note. It is proper to explain certain designations used in the above table. By "Industry value created above the value of stock and materials consumed. The values presented in this from the total value of goods made in each of the specified industries, the value of stock used; proceeds of each industry, one part of this industry product is paid to the labor force in the which are paid freights, insurance, interest on loans (credit capital), interest on stock (fixed or stock and wages. The remainder, if any, is the profit of the employer. The entire balance of "Profit and Minor Expense Fund," and is thus designated in the table. Of course, it will be enumerated, paid out of this balance, are in themselves considerable in amount, and are only to (stock), and wages.]

The note at the close of this table explains certain designations used in it. Referring to the table, we find the largest industry product per $1,000 of capital in Boots and Shoes, namely, $1,390.73. No other industry approaches this figure. Nearest to it, however, is Leather, the industry product being $727.83. Machines and Machinery and Metals and Metallic Goods rank near one another in the comparison, their respective industry products per $1,000 of capital being $629.89 and

The average number of persons employed increased 4.53 per cent, while the total amount paid in wages exhibits a still greater increase, or 6.10 per cent. The average amount of yearly earnings, however, while exhibiting an increase, is but 1.51 per cent larger in 1892 than in 1891. The average proportion of business done, based upon the ultimate productive capacity of the establishments, was 1.09 per cent greater in 1892 than in 1891; but the average number of days in operation was only 0.12 per cent greater.

The next table presents the actual product per $1,000 of capital invested in each of the nine leading industries, with the average product per employé, the percentages of industry product paid in wages, and the percentages devoted to other expenses.

Total Amount Paid in Wages During the Year	Industry Product	Profit and Minor Expense Fund	Industry Product		Percentage of Industry Product		
			Per $1,000 of Capital	Average per Employé	Devoted to Profit and Minor Expenses	Paid in Wages	
$26,701,109	$43,165,985	$16,464,876	$1,390.73	$867.92	38.14	61.86	1
1,956,176	3,238,907	1,282,731	400.92	639.47	39.60	60.40	2
25,614,246	44,027,119	18,412,873	365.00	594.08	41.82	58.18	3
3,411,038	6,568,261	3,157,223	727.83	972.64	48.07	51.93	4
9,311,797	16,671,658	7,359,861	629.89	1,002.69	44.15	55.85	5
7,677,180	13,871,146	6,193,966	636.23	930.14	44.65	55.35	6
4,545,108	11,684,416	7,139,308	497.22	1,085.61	61.10	38.90	7
7,061,211	14,282,544	7,221,333	502.18	784.80	50.56	49.44	8
3,221,041	4,837,755	1,616,714	443.85	564.04	33.42	66.58	9

Product" is meant the actual result of the productive forces in the industry, that is, the added and the following tables under the designation "Industry Product," are obtained by deducting the difference being added value or actual product due to the industry. In the division of the form of wages, this being labor's share of the product. The balance constitutes a fund from invested capital), rents, commissions, salaries, etc.; in fact, all expenses other than those for the industry product remaining after the deduction of the amount paid in wages, becomes a understood that the term "Minor Expense" is relative. The expenses, some of which we have be classed as "Minor" in comparison with the generally larger amounts expended for materials

$636.23. Next below these industries is Woollen Goods, its industry product per $1,000 of capital being $502.18. Still further down in the list are Paper and Paper Goods, Worsted Goods, and Carpetings, the industry products per $1,000 of capital in these industries being, respectively, $497.22, $443.85, and $400.92. Cotton Goods ranks lowest among the industries in the selected list, its industry product per $1,000 of capital being $365.00.

If we consider that the figures just cited indicate the efficiency of capital during 1892, those which present the average industry product per employé may be taken as indicating the efficiency of labor. With respect to this point, Paper and Paper Goods leads the other industries, the average product per employé being $1,085.61. Not far below it is Machines and Machinery, in which an average of $1,002.69 appears. Following in the order named, with averages as specified, are Leather, $972.64; Metals and Metallic Goods, $930.14; Boots and Shoes, $867.92; Woollen Goods, $784.80; Carpetings, $639.47; Cotton Goods, $594.08; and Worsted Goods, $564.04.

With respect to the percentage of industry product paid in wages in 1892 Worsted Goods leads, the percentage being 66.58. Next to this industry are Boots and Shoes and Carpetings, in which the percentages approach each other, being 61.86 and 60.40, respectively. In Cotton Goods, the percentage of industry product paid in wages was 58.18, and in Machines and Machinery and Metals and Metallic Goods percentages almost identical appear, namely, 55.85 and 55.35, respectively. In Leather, ranking next in this comparison, the percentage is 51.93. In Woollen Goods it is 49.44, while lowest in the comparison is Paper and Paper Goods, the percentage being 38.90. These percentages of industry product paid in wages are the complements of the percentages of industry product devoted to profit and minor expenses, these two items aggregating 100 per cent, or the whole of the industry product.

In the following comparison the rank of the different industries for 1892, as regards the amount of industry product per $1,000 of capital, is compared with the rank of the same industries for 1891, as derived from the report of that year:

1891.	1892.
Boots and Shoes.	Boots and Shoes.
Metals and Metallic Goods.	Leather.
Leather.	Metals and Metallic Goods.
Machines and Machinery.	Machines and Machinery.
Carpetings.	Woollen Goods.
Worsted Goods.	Paper and Paper Goods.
Woollen Goods.	Worsted Goods.
Paper and Paper Goods.	Carpetings.
Cotton Goods.	Cotton Goods.

In the above comparison, Boots and Shoes, Machines and Machinery, and Cotton Goods retain the same position in each year. The places occupied by Metals and Metallic Goods and Leather are reversed. Carpetings which ranked fifth in 1891 ranks eighth in 1892; Worsted Goods which ranked sixth in 1891 ranks seventh in 1892; while Woollen Goods and Paper and Paper Goods which ranked seventh and eighth, respectively, in 1891, rank fifth and sixth, respectively, in 1892.

With respect to the average industry product per employé, the rank of the industries in each of the years appears in the following table:

1891.	1892.
Paper and Paper Goods.	Paper and Paper Goods.
Machines and Machinery.	Machines and Machinery.
Metals and Metallic Goods.	Leather.
Leather.	Metals and Metallic Goods.
Boots and Shoes.	Boots and Shoes.
Carpetings.	Woollen Goods.
Woollen Goods.	Carpetings.
Worsted Goods	Cotton Goods.
Cotton Goods.	Worsted Goods.

In this comparison, Paper and Paper Goods, Machines and Machinery, and Boots and Shoes retain the same rank in each year. Metals and Metallic Goods and Leather, also Carpetings and Woollen Goods, and Worsted Goods and Cotton Goods, change places, respectively, with one another.

The next comparison relates to the percentage of industry product paid in wages, the industries ranking as follows in each year:

1891.	1892.
Cotton Goods.	Worsted Goods.
Boots and Shoes.	Boots and Shoes.
Worsted Goods.	Carpetings.
Machines and Machinery.	Cotton Goods.
Leather.	Machines and Machinery.
Metals and Metallic Goods.	Metals and Metallic Goods.
Woollen Goods.	Leather.
Carpetings.	Woollen Goods.
Paper and Paper Goods.	Paper and Paper Goods.

In this comparison, Boots and Shoes, Metals and Metallic Goods, and Paper and Paper Goods retain the same rank in

each year. Cotton Goods which ranked first in 1891 ranks fourth in 1892, Worsted Goods which ranked third in 1891 leads the list in 1892, Machines and Machinery which ranked fourth in 1891 takes the fifth place in 1892, while Woollen Goods and Carpetings, which ranked seventh and eighth, respectively, in 1891, ranked eighth and third, respectively, in 1892.

In each of these comparisons, Boots and Shoes retains the same position in each year, ranking first as regards the amount of industry product per $1,000 of capital, fifth as regards average industry product per employé, and second with respect to the percentage of industry product paid in wages.

Machines and Machinery retained the same rank in each year as to the amount of industry product per $1,000 of capital, and as to the average industry product per employé, this rank being fourth and second, respectively; but with respect to the percentage of industry product paid in wages it ranked fourth in 1891 and fifth in 1892.

We present a series of separate tables for the nine leading industries, for the purpose of comparison between the years 1892 and 1891, bringing forward for that purpose data contained in the preceding table. The first relates to Boots and Shoes.

Boots and Shoes. [Comparisons for 731 Establishments.]

Classification.	1891	1892
Amount of capital invested,	$30,355,294	$31,038,328
Value of goods made and work done (gross product),	$99,394,318	$108,347,615
Value of stock used and other materials consumed in production,	$58,601,177	$65,181,630
Industry product (gross product less value of stock and materials),	$40,793,141	$43,165,985
Wages (labor's direct share of product),	$24,096,158	$26,701,109
Profit and minor expense fund (industry product less wages),	$16,696,983	$16,464,876
Percentage of industry product paid in wages,	59.07	61.86
Percentage of industry product devoted to profit and minor expenses,	40.93	38.14
Percentage of profit and minor expense fund of capital invested,	55.01	53.05

The percentages of industry product paid in wages in 1891 and 1892 are 59.07 and 61.86, respectively, a slight increase being shown in the last named year. Of course, the percentage of industry product devoted to profit and minor expenses shows a corresponding decrease, being 40.93 in 1891 and 38.14 in 1892. The percentage which this profit and minor expense

fund forms of capital invested was, however, 53.05 in 1892 as against 55.01 in 1891; that is, a larger portion of the amount remaining in this industry, after eliminating the cost of stock, was devoted to wages in 1892 than in 1891, leaving a smaller amount for the payment of expenses other than wages and stock, and for profit, and this amount formed a smaller percentage of the total capital in the industry in 1892 than in 1891.

A similar comparison for Carpetings follows:

Carpetings. [Comparisons for 12 Establishments.]

CLASSIFICATION.	1891	1892
Amount of capital invested,	$7,937,108	$8,078,754
Value of goods made and work done (gross product),	$9,458,306	$8,659,903
Value of stock used and other materials consumed in production,	$5,404,428	$5,420,996
Industry product (gross product less value of stock and materials),	$4,053,878	$3,238,907
Wages (labor's direct share of product),	$1,881,199	$1,956,176
Profit and minor expense fund (industry product less wages),	$2,172,679	$1,282,731
Percentage of industry product paid in wages,	46.40	60.40
Percentage of industry product devoted to profit and minor expenses,	53.60	39.60
Percentage of profit and minor expense fund of capital invested,	27.37	15.88

The percentages of industry product paid in wages in this industry in 1891 and 1892 are 46.40 and 60.40, respectively, indicating a considerable increase in the last named year. Eliminating wages, the fund devoted to profit and minor expenses declined from 53.60 per cent of the industry product in 1891 to 39.60 per cent in 1892, and this fund formed but 15.88 per cent of capital invested in 1892, as against 27.37 per cent in 1891.

The next table presents a comparison for Cotton Goods.

Cotton Goods. [Comparisons for 158 Establishments.]

CLASSIFICATION.	1891	1892
Amount of capital invested,	$117,585,568	$120,623,314
Value of goods made and work done (gross product),	$89,558,854	$91,967,815
Value of stock used and other materials consumed in production,	$52,058,721	$47,940,696
Industry product (gross product less value of stock and materials),	$37,500,133	$44,027,119
Wages (labor's direct share of product),	$24,657,967	$25,614,246
Profit and minor expense fund (industry product less wages),	$12,842,166	$18,412,873
Percentage of industry product paid in wages,	65.75	58.18
Percentage of industry product devoted to profit and minor expenses,	34.25	41.82
Percentage of profit and minor expense fund of capital invested,	10.92	15.26

Unlike the two industries previously presented, in Cotton Goods the percentage of industry product paid in wages declined in 1892 as compared with 1891, the percentages, respectively, being 65.75 and 58.18. Of course, the percentage of industry product devoted to profit and minor expenses correspondingly increased, rising from 34.25 to 41.82. The profit and minor expense fund formed 15.26 per cent of capital in 1892 as against 10.92 per cent in 1891.

The next table relates to Leather.

Leather. [Comparisons for 200 Establishments.]

Classification.	1891	1892
Amount of capital invested,	$7,919,761	$9,024,408
Value of goods made and work done (gross product),	$18,348,246	$20,355,090
Value of stock used and other materials consumed in production,	$12,623,212	$13,786,829
Industry product (gross product less value of stock and materials),	$5,725,034	$6,568,261
Wages (labor's direct share of product),	$3,045,645	$3,411,038
Profit and minor expense fund (industry product less wages),	$2,679,389	$3,157,223
Percentage of industry product paid in wages,	53.20	51.93
Percentage of industry product devoted to profit and minor expenses,	46.80	48.07
Percentage of profit and minor expense fund of capital invested,	33.83	34.99

As in Cotton Goods, the percentage of industry product paid in wages declined slightly in 1892 as compared with 1891, the percentage in the last named year being 53.20, while in 1892 it was 51.93. The percentages of industry product devoted to profit and minor expenses in 1891 and 1892 are 46.80 and 48.07, respectively, and this fund formed 34.99 per cent of capital in 1892, as against 33.83 per cent in 1891.

The next table relates to Machines and Machinery.

Machines and Machinery. [Comparisons for 324 Establishments.]

Classification.	1891	1892
Amount of capital invested,	$25,353,690	$26,467,456
Value of goods made and work done (gross product),	$25,794,797	$26,867,581
Value of stock used and other materials consumed in production,	$9,673,407	$10,195,923
Industry product (gross product less value of stock and materials),	$16,121,390	$16,671,658
Wages (labor's direct share of product),	$8,935,655	$9,311,797
Profit and minor expense fund (industry product less wages),	$7,185,735	$7,359,861
Percentage of industry product paid in wages,	55.43	55.85
Percentage of industry product devoted to profit and minor expenses,	44.57	44.15
Percentage of profit and minor expense fund of capital invested,	28.34	27.80

The percentage of industry product paid in wages in each year is practically the same, and so also is the percentage of industry product devoted to profit and minor expenses, the variation being less than one per cent in either case. The percentage of profit and minor expense fund of capital invested declined from 28.34 in 1891 to 27.80 in 1892.

A comparison for Metals and Metallic Goods follows:

Metals and Metallic Goods. [Comparisons for 348 Establishments.]

CLASSIFICATION.	1891	1892
Amount of capital invested,	$19,385,517	$21,802,040
Value of goods made and work done (gross product),	$26,132,972	$27,207,374
Value of stock used and other materials consumed in production,	$12,640,209	$13,336,228
Industry product (gross product less value of stock and materials),	$13,492,763	$13,871,146
Wages (labor's direct share of product),	$7,377,673	$7,677,180
Profit and minor expense fund (industry product less wages),	$6,115,090	$6,193,966
Percentage of industry product paid in wages,	54.68	55.35
Percentage of industry product devoted to profit and minor expenses,	45.32	44.65
Percentage of profit and minor expense fund of capital invested,	31.54	28.41

In this industry, the percentage of industry product paid in wages shows a slight increase in 1892 as compared with 1891, rising from 54.68 to 55.35. On the other hand, the percentage of industry product devoted to profit and minor expenses declined from 45.32 to 44.65; and the percentage which this profit and minor expense fund forms of capital invested also declined from 31.54 to 28.41.

The facts respecting Paper and Paper Goods appear in the next table.

Paper and Paper Goods. [Comparisons for 104 Establishments.]

CLASSIFICATION.	1891	1892
Amount of capital invested,	$22,477,298	$23,499,553
Value of goods made and work done (gross product),	$26,195,728	$28,169,676
Value of stock used and other materials consumed in production,	$15,902,073	$16,485,260
Industry product (gross product less value of stock and materials),	$10,293,655	$11,684,416
Wages (labor's direct share of product),	$4,312,115	$4,545,108
Profit and minor expense fund (industry product less wages),	$5,981,540	$7,139,308
Percentage of industry product paid in wages,	41.89	38.90
Percentage of industry product devoted to profit and minor expenses,	58.11	61.10
Percentage of profit and minor expense fund of capital invested,	26.61	30.38

In this industry, as in some of the others, the percentage of industry product paid in wages decreased in 1892 as compared with 1891, the decline being from 41.89 to 38.90; while the percentage of industry product devoted to profit and minor expenses rose from 58.11 to 61.10. This fund was 26.61 per cent of capital invested in 1891, rising to 30.38 per cent in 1892.

The table for Woollen Goods follows:

Woollen Goods. [Comparisons for 142 Establishments.]

CLASSIFICATION.	1891	1892
Amount of capital invested,	$27,728,471	$28,440,826
Value of goods made and work done (gross product),	$34,551,569	$35,673,477
Value of stock used and other materials consumed in production,	$21,515,129	$21,390,933
Industry product (gross product less value of stock and materials),	$13,036,440	$14,282,544
Wages (labor's direct share of product),	$6,738,107	$7,061,211
Profit and minor expense fund (industry product less wages),	$6,298,333	$7,221,333
Percentage of industry product paid in wages,	51.69	49.44
Percentage of industry product devoted to profit and minor expenses,	48.31	50.56
Percentages of profit and minor expense fund of capital invested,	22.71	25.39

In this industry, also, we notice a decrease in the percentage of industry product paid in wages, the decline being from 51.69 to 49.44, matched by a corresponding increase in the percentage of industry product devoted to profit and minor expenses, this percentage being 48.31 in 1891 and 50.56 in 1892. The percentages of profit and minor expense fund of capital invested in 1891 and 1892 were 22.71 and 25.39, respectively.

The final table relates to Worsted Goods.

Worsted Goods. [Comparisons for 22 Establishments.]

CLASSIFICATION.	1891	1892
Amount of capital invested,	$10,807,298	$10,899,489
Value of goods made and work done (gross product),	$16,548,791	$17,054,071
Value of stock used and other materials consumed in production,	$11,755,469	$12,216,316
Industry product (gross product less value of stock and materials),	$4,793,322	$4,837,755
Wages (labor's direct share of product),	$2,988,991	$3,221,041
Profit and minor expense fund (industry product less wages),	$1,804,331	$1,616,714
Percentage of industry product paid in wages,	62.36	66.58
Percentage of industry product devoted to profit and minor expenses,	37.64	33.42
Percentage of profit and minor expense fund of capital invested,	16.70	14.83

In this industry, the percentage of industry product paid in wages increased, rising from 62.36 in 1891 to 66.58 in 1892. This leaves a smaller margin for the payment of profit and minor expenses in the last named year, the percentages of industry product devoted to this purpose being 37.64 in 1891 and 33.42 in 1892. This fund formed 14.83 per cent of capital in 1892 as against 16.70 per cent in 1891.

The returns permit the following condensed general statements as regards the years 1891 and 1892 for the 4,473 establishments:

Capital Invested.

The increase in capital devoted to production in 1892 as compared with 1891, in All Industries, amounted to 3.18 per cent. In the nine leading industries, in which were invested 62.84 per cent of all capital returned in 1892, and 55.91 per cent of the industrial capital of the Commonwealth as returned in the Decennial Census of 1885, the following percentages of increase appear: Boots and Shoes, 2.25; Carpetings, 1.78; Cotton Goods, 2.58; Leather, 13.95; Machines and Machinery, 4.39; Metals and Metallic Goods, 12.47; Paper and Paper Goods, 4.55; Woollen Goods, 2.57; and Worsted Goods, 0.85.

Stock Used.

In All Industries, the increase in the value of stock used amounted to 4.52 per cent in 1892 as compared with 1891. In seven of the nine leading industries, in which the aggregate value of stock used amounted to 54.57 per cent of all the stock returned in 1892, and 52.84 per cent of all stock used as returned in the Decennial Census of 1885, the following increases appear: Boots and Shoes, 11.23 per cent; Carpetings, 0.31 per cent; Leather, 9.22 per cent; Machines and Machinery, 5.40 per cent; Metals and Metallic Goods, 5.51 per cent; Paper and Paper Goods, 3.67 per cent; and Worsted Goods, 3.92 per cent. Decreases are shown in Cotton Goods and Woollen Goods, of 7.91 and 0.58 per cent, respectively.

Goods Made.

The increase in the aggregate value of goods made in All Industries in 1892 as compared with 1891 amounted to 5.37

per cent. In one of the leading industries, namely, Carpetings, a decrease appears of 8.44 per cent. In the eight other leading industries the following increases appear: Boots and Shoes, 9.01 per cent; Cotton Goods, 2.69 per cent; Leather, 10.94 per cent; Machines and Machinery, 4.16 per cent; Metals and Metallic Goods, 3.95 per cent; Paper and Paper Goods, 7.54 per cent; Woollen Goods, 3.25 per cent; and Worsted Goods, 3.05 per cent.

In the nine leading industries above named, the aggregate value of goods made constituted 55.92 per cent of the entire product value returned in 1892, and 54 per cent of the entire product of the State, as returned in the Decennial Census of 1885.

Persons Employed.

In 1891, the average number of persons employed in the 4,473 establishments represented in All Industries was 298,631, and the average number of persons employed in the same establishments in 1892 was 312,146, an increase of 4.53 per cent. The number of persons employed at the periods of employment of the greatest number was 335,919 in 1891 and 352,939 in 1892, an increase of 5.07 per cent; while the number employed at the periods of employment of the smallest number in 1891 was 260,419, and in 1892, 271,399, an increase of 4.22 per cent. The range of unemployment was slightly greater in 1892 than in 1891, the number of unemployed at some period of longer or shorter duration being 81,540 in 1892 as against 75,500 in 1891, an increase of 8 per cent. In the nine leading industries previously mentioned, the following increases in the average number of persons employed are found: Boots and Shoes, 5.72 per cent; Carpetings, 0.18 per cent; Cotton Goods, 3.45 per cent; Leather, 12.42 per cent; Machines and Machinery, 3.80 per cent; Metals and Metallic Goods, 4.21 per cent; Paper and Paper Goods, 6.11 per cent; Woollen Goods, 2.43 per cent; and Worsted Goods, 7.08 per cent.

Wages Paid.

The total amount paid in wages in the establishments represented in the 75 industries considered increased 6.10 per cent in 1892 as compared with 1891. In the nine principal indus-

tries the following increases appear: Boots and Shoes, 10.81 per cent; Carpetings, 3.99 per cent; Cotton Goods, 3.88 per cent; Leather, 12 per cent; Machines and Machinery, 4.21 per cent; Metals and Metallic Goods, 4.06 per cent; Paper and Paper Goods, 5.40 per cent; Woollen Goods, 4.80 per cent; and Worsted Goods, 7.76 per cent.

The average yearly earnings per individual, without regard to sex or age, employed in the 75 industries, were $445.49 in 1891, rising to $452.21 in 1892, an increase of 1.51 per cent. The range from highest to lowest average yearly earnings was from $708.15 to $294.43 in 1891, and from $752.00 to $299.08 in 1892. The higher earnings rule in the industries demanding greater skill and employing males chiefly, and the lower in factory industries employing a large proportion of females and young persons.

Proportion of Business Done.

The average proportion of business done reached 68.56 per cent in 1891 and 69.31 per cent in 1892, of the full productive capacity of the 4,473 establishments, an increase of 1.09 per cent. The average number of days in operation was 296.78 in 1891 and 297.14 in 1892, an increase of 0.12 per cent.

INDUSTRIAL CHRONOLOGY.

1892.

INDUSTRIAL CHRONOLOGY—1892.

Abington. In December, Durham Shoe Factory sold at auction to C. D. Cobb.

Acton. In July, one of American Powder Co.'s mills demolished by explosion. *September.* B. M. Kimball & Son, Haverhill, began work on foundation of new shoe factory, 70 x 40 feet, three stories, with L 60 x 40 feet; completed in December and machinery moved from Haverhill.

Adams. In March, ground broken for Berkshire Manufacturing Co.'s new brick mill, 330 x 100 feet, four stories, to contain 24,000 spindles and 800 looms. Capital stock increased $500,000. *May.* B. F. Phillips & Son's woollen mill started up. *June.* Fire slightly damaged picker room of Berkshire Manufacturing Co. *July.* Balance of machinery removed from Zylonite plant. —— Renfrew Manufacturing Co. shut down for short period to make repairs. *August.* Foundry of Jones & Shaw bought by M. F. & J. H. Kevlin. *September.* Boilers set up in new mill of Berkshire Manufacturing Co. —— Work begun on new weave shed for Renfrew Manufacturing Co.; to take place of one burned March, 1891. *October.* New cotton mill of Berkshire Manufacturing Co. dedicated. —— New boilers put in Adams Bros. Manufacturing Co. *November.* Directors of Berkshire Manufacturing Co. voted to increase wages of operatives. *December.* No. 2 mill of Berkshire Manufacturing Co. started.

Amesbury. In January, reported that the number of carriages shipped during 1891 was 17,403. In 1888 the number was 15,200; in 1889, 16,766; and in 1890, 18,789. —— N. D. Dodge & Son Shoe Co. notified employés that manufacturing would be carried on only in this town and that those living in Newburyport should remove here. —— Lockwood & Brown established to manufacture carriage wheels. *February.* Adams & Pettingill, shoes, leased additional room and during March ran factory nights. —— Fire totally destroyed factory of Connor Carriage Co, lumber mill of Maxwell & Currier, and Powow Grist Mill. *March.* Chas. Davis entered into partnership with P. J. Sheehan in granite and marble under firm name of P. J. Sheehan & Co.; in August, firm dissolved and Chas. Davis and C. L. Woodman continued as Patten's Hollow Marble & Granite Works. *June.* Nathan D. Dodge retired from N. D. Dodge & Son Shoe Co. and name changed to Amesbury Shoe Co. —— Waste-sorting building of Hamilton Woollen Co. damaged by fire. *July.* S. R. Bailey & Co. and John S. Poyen & Co. closed for repairs. —— Amesbury Carriage Co. shut down for week. —— Work begun on Amesbury & Haverhill Electric Road. *September.* Hassett & Hodge's carriage factory partially destroyed by fire; to be rebuilt. *November.* Pease & Sons and Stevens Carriage Co. employed additional workmen. —— Hamilton Woollen Co. put in new machinery and increased wages seven per cent. —— Murphy & Co., gold and silver plating, worked overtime. *December.* N. H. Folger, carriages, started up on full time —— A. N. Parry & Co. leased old Marden carriage factory and resumed business.

Amherst. In April, work begun on storehouse for Geo. B. Burnett & Son. *July.* Hat bleaching department of Hills Co. started up. *August.* Hills Co. began work on samples of next season's styles. —— Roberts Bros. made repairs to their mills. *November.* Roof of Dickinson box factory partially blown off by wind; damage slight.

Andover. In March, new balling machine put in operation at Smith & Dove's mill. —— S. E. Clark purchased the dowell mill; possession taken in September. *August.* Ballardvale Woollen Mill shut down one week for repairs. *October.* Horace Ladd, boxes, enlarged plant. *November.* Fire damaged mill of Smith & Dove Manufacturing Co. *December.* Marland Mills and Smith & Dove Manufacturing Co. added new machinery to plants.

Arlington. In January, paint shop of Wm. T. Woods, ice tools, damaged by fire. *April.* Rope walk owned by Mrs. Margaret Dale destroyed by fire.

Ashburnham. In January, new boiler put in at A. White & Co.'s shop. —— Toy factory of Samuel L. Noyes leased for five years by Justin W. Bemis. *February.* I. E. Platt's chair shop destroyed by fire. —— W. F. Whitney's shop closed owing to break in shafting. *March.* I. E. Platt, chairs, leased the two lower floors of W. F. Whitney's new shop. *September.* New boiler put into Whitney & Co.'s chair manufactory. *November.* Main building of S. L. Noyes' toy factory destroyed by fire. *December.* Boston Chair Works turned out its first electric snow plow for Lowell & Dracut railway. —— Whitney Cane Shop shut down indefinitely.

Ashland. In January, Clapp, Huckins, & Temple (formerly Houghton, Coolidge, & Co.), vacated factory and occupied factory of Claflin & Thayer, Milford. —— Whicher & Co.'s shoe factory lighted by electricity and fifteen lasting machines set up. *August.* Bailey Leather-Board Mill purchased by T. B. Cheney and others to manufacture cotton hosiery. *October.* Rustic chair factory started by F. F. Howe.

Athol. In January, a Portland, Me., firm purchased the water works system. *March.* Hill & Greene's shoe factory shut down for two weeks. —— The Carpenters' Lumber Co., patent roofing, extended lease and increased facilities. —— L. S. Starrett, mechanical tools, ran factory nights. *April.* House built by A. F. Tyler in rear of factory for storage of kindling wood. —— Fire destroyed storehouse connected with Lewis Sanders' cooper shop. *May.* Hapgood & Smith's plant for manufacturing match sticks sold to Diamond Match Co. *June.* Lee shoe shop enlarged by addition of another story. —— New picker house built by W. H. Kauffman in place of one burned. *July.* Goddard & Manning shut down for week to take account of stock. —— Two story storehouse built by E. Ellis & Son. *August.* Manufacture of reed and rattan chairs started by Mr. Reed, late of Athol Reed and Rattan Co. —— L. S. Starrett, tools, shut down for annual vacation. —— C. F. Richardson's machine shop and Lewis Sanders' cooper shop shut down for a short time. —— Cheney's Mill, occupied by Carpenters' Lumber Co., destroyed by fire. *September.* Lee shoe shop shut down for a week's vacation. *October.* W. H. Kauffman, satinets, removed machinery to new factory. *November.* Sherwood's steam mill burned. *December.* George T. Johnson, woollens, died. —— Athol Shoe Co. removed to Lynn.

Attleborough. In January, new machinery put into W. H. Wilmarth & Co.'s jewelry manufactory for manufacture of swivels; 25 more people employed. —— Mossberg Manufacturing Co. took contract to manufacture machine for launching Hotchkiss torpedoes. *March.* Shops of A. A. Bushee & Co., Horton, Angell, & Co., W. H. Wilmarth & Co., and W. & S. Blackinton closed. —— Hebron Manufacturing Co. ordered new machinery. *April.* E. A. Potter & Co. purchased factory in Providence and removed to that city. *May.* R. F. Simmons & Co. began work on wooden factory, 255 x 40 feet, three stories, equipped with two 75 horse power boilers; taxes for five years guaranteed by citizens. *June.* Work begun on new Mechanics' Mill. *July.* Hebron Manufacturing Co. erected three new filling frames in mill. *August.* Engine at Gold Medal Braid Co.'s mill wrecked by breakage of a strap. *September.* New cylinder attached to engine in Gold Medal Braid Co.'s mill. *October.* B. A. Freeman & Co., jewelry, ran nights. —— Electric light station shut down for repairs. —— Work begun on the foundations of new factory for W. H. Wilmarth & Co.; main structure 200 x 40 feet, three stories, with two story L on the rear and on one side another L 52 x 20 feet, one story; power to be furnished by electric motors. *November.* Ellis, Livsey, & Co. moved into larger factory. *December.* R. F. Simmons & Co., jewelry, occupied new factory. —— Wages of operatives in cotton factory of B. B. & R. Knight increased seven per cent. —— Work begun on thread winding as an experiment at Mossberg Manufacturing Co. on machines of its own manufacture. —— New Mechanics' Mill of Foster & Nightingale, cotton goods, completed.

Auburn. In July, Auburn Mills Co., successors to Kirk, Hutchins, & Stoddard, incorporated for manufacture of woollen goods; capital stock $35,000.

Avon. In November, L. G. Littlefield's shoe factory shut down for stock taking.

Ayer. In January, C. H. Moulton purchased Brigham's shoe shop; to employ 200 hands. *March.* Alfred Page, owner of Fredonia Mill, Shirley, died, aged 74 years. —— New engine added to Phelps' Lumber Mill. —— Work begun on building for Nashoba Manufacturing Co. *July.*

Chandler Bros.' foundry shut down. —— Two-story addition to Lapointe's paper mill, 24 x 40 feet, built. *September*. Alley Bros. & Co. enlarged tannery. —— Nashoba Manufacturing Co. started up in part.

Barre. In January, Thompson & Marr purchased tool business of Brown & Robbins. *April*. Storehouse and finishing shop of Rogers & Osgood Co.'s hat manufactory destroyed by fire; rebuilt and operated in October.

Becket. In September, John C. Muller purchased land on which to erect furniture factory.

Bellingham. In October, Norfolk Woollen Co. of Franklin decided to build new mill in place of old one at this place; completed in December.

Beverly. In January, F. A. Seavey & Co., shoes, removed machinery to the Norwood factory. —— Carter Oil Clothing Works started up after stock taking. —— Curtis, Symmes, & Co., shoes, divided off part of factory to be used as stitching room. —— Fires for month: building occupied by W. R. Barker, planing mill; W. C. Lynn, boxes; Harry A. St. Clair; and W. Monks, cabinet makers. *February*. New machinery added to Woodbury Bros.' shoe factory; cutters worked nights. —— J. H. Barker & Co., shoes, added two new finishing machines. *March*. Putnam & Pope purchased the Geo. W. Gray estate and began erection of woodworking mill; completed in June; main building 50 x 75 feet, two stories; engine and boiler room of brick, 26 x 50 feet; boiler 100 horse power and engine 75 horse power. —— Springfield Shoe Co., which left Beverly five years ago, decided to move back, having been burnt out at Springfield. *April*. J. W. Smith & Co.'s shoe factory ran three nights a week. —— Arrangements completed between Woodbury Bros. and Board of Trade Building Association for erection of new brick factory, 270 x 45 feet, five stories. *May*. M. E. Gray began repairs on planing mill. *June*. Several stitching machines added to F. A. Seavey & Co.'s plant. —— Clark Bros. & Morgan shut down to take account of stock. *July*. T. B. Adams Manufacturing Co. consolidated its Boston branch with factory here. *August*. Board of Trade Building Association contracted to erect four story brick factory, 110 x 50 feet, with sub-basement, for Millett, Woodbury & Co., shoes; capacity 30 cases per day. —— F. B. Mower & Son, shoes, dissolved; succeeded by Murray & Cone. —— Fernald & Eberson, shoe stitching, dissolved; succeeded by T. J. Eberson. *September*. Ground broken for Millett, Woodbury & Co.'s new shoe factory. —— Creesy & Obear, shoes, dissolved; Joseph W. Obear continued. —— North Shore Building Association organized to develop all available property. *October*. Davis & Morgan, shoes, dissolved; succeeded by Geo. C. Davis. —— Work begun on addition, 50 x 35 feet, to M. H. Woodbury's shoe factory. *November*. George C. Davis, shoes, removed to Lynn. —— George H. Thissell & Co. moved into larger quarters. —— Tuck & Hassett added lasting machines. —— Wallis, Kilham, & Bray, shoes, dissolved; business continued under firm name of J. A. Wallis & Co. —— Building occupied by Myron Woodbury and P. A. Fields & Co., shoes, and G. H. Crossman, shoe stitcher, destroyed by fire; to be rebuilt. *December*. F. A. Seavey & Co., shoes, started up on spring goods. —— New heeling machine added to Seth Norwood Shoe Co.'s factory. —— Association factory designed for Woodbury Bros., shoes, completed, capacity 100 60-pair cases per day; to be occupied during January, 1893, and to combine the Dover, N. H., business with that of Boston and Beverly. —— J. L. Porter, shoes, added new lasting blocks to plant. —— Shoe shipments for the year 1892, shown by the *Beverly Citizen*, was 67,611 cases as against 70,036 cases in 1891, and 78,896 cases in 1890, being a decrease of 3.46 per cent as compared with 1891, and a decrease of 14.30 per cent as compared with 1890.

Billerica. In June, Talbot Mills added another story to finishing department. *August*. Talbot Mills closed for one week's vacation. *October*. Talbot Mills established free evening school for benefit of employés.

Blackstone. In January, two patent compression rolls for slashers placed in Blackstone Manufacturing Co.'s mills. *February*. Accident to engine at Woonsocket Rubber Co.'s works caused a partial suspension. —— Changes in machinery begun in the Blackstone Manufacturing Co.'s mills. —— Woonsocket Rubber Co.'s works started up on full time having been running on half time for past two months. *March*. Woonsocket Rubber Co.'s works shut down ten days for stock taking. *June*. Many looms stopped in Blackstone Manufacturing Co.'s mills owing to dull trade. *July*. Forty new spinning frames added to Blackstone Manufacturing Co.'s mills and work begun on addition of another story; to be 55 x 33 feet, and to be used as a slasher room. *August*. New flume put in Blackstone Manufacturing Co.'s No. 2

mill. *September*. New water wheel put in No. 1 mill of Blackstone Manufacturing Co. *October*. All looms in Evans & Seagraves No. 2 woollen mill started up. *November*. Blackstone Manufacturing Co. increased wages of operatives. —— Kelly's saw mill began operations. —— Two 70 horse power boilers added to Blackstone Woollen Co. —— Lawrence Felting Co.'s addition completed. *December*. Blackstone Woollen Co. shut down for one week. —— Consolidated R.R. Co. began erection of new boiler house.

Blandford. In March, Chas. A. Brown purchased saw and grist mill of E. S. Combes in Russell. —— Blandford Brick and Tile Co. dried out new kiln and began operations for season.

Bolton. In August, Michael Butler's vinegar factory burned out.

BOSTON. [City Proper.] In January, George Frost Co. incorporated, succeeding to business of George Frost & Co., hose supporters; capital stock $100,000. —— Fires for month: J. L. Whiting & Co., brushes, and Boston Art Brass Co. *February*. Stephen E. Westcott, of S. Westcott & Son, leather, died, aged 69 years. —— Wm. Reed & Sons secured government contract for new Lee repeating rifles and equipment. —— Wm. Gray, retired cotton manufacturer, died, aged 81 years. —— Establishment of W. J. Batchelder, clothing, damaged by fire. *March*. Shaw & Co., incorporated under name of Shaw Leather Co. —— Bradshaw Manufacturing Co. organized. —— One of the largest driving belts in the world manufactured by Boston Belting Co. and shipped to Denver, Col. —— Hezekiah S. Chase, of Chase, Merritt, & Co., shoes, died, aged 87 years. —— Pickle factory of J. P. Von Lear damaged by fire. *April*. Andrews & Gurney dissolved; business continued under style of Andrews & Co. —— Charles F. Harrington, leather, died, aged 59 years. —— Lane & Co., shoes, dissolved; business continued by John A. O'Shea. —— Paper box manufacturers of New England met and formed New England Paper Box Manufacturers' Association. —— Fayette Shaw Leather Co. incorporated; capital stock, $50,000. —— Nine-hour day without reduction of pay granted to the cabinet makers of Irving & Casson and A. H. Davenport & Co.; the latter firm after three days' experiment returned to old basis. —— Eight-hour day for bottlers instituted. *May*. The Whittier Machine Co. closed Saturdays at noon. —— Boston Cordage Co. voted to dissolve. —— Pierce & Son, shoes, dissolved, owing to death of John Q. A. Pierce; business continued under same style by Charles Q. Pierce and Charles E. Merrifield. *June*. Clark-Hutchinson Co., shoes, incorporated; capital stock $100,000. —— John L. Whiting, of John L. Whiting & Son, brushes, died, aged 69 years. —— National Cigar Co. burned out. *July*. Matthew Binney's Sons, clothing, dissolved and retired from business; no successors. —— Plant, material, and business of Boston Steam Gauge Co. purchased by Ashton Valve Co. —— The 58-hour law for women and minors went into effect. —— Fires for month: W. J. Moxley & Co., butterine, and the Boston Stove Co. *August*. Appleton Shoe Co. incorporated; capital stock $25,000. —— Fires for month: Boston Hat and Cap Manufacturing Co.; Hub Manufacturing Co., knit goods; and Wm. Myers, clothing. *September*. Chase, May, & Co. succeeded by John H. May & Co. —— Boston Shoe Tool Co. occupied their new factory; building 110 x 40 feet, two stories. —— Stevens & Nimmo, hides, organized the Boston Hide and Skin Association; incorporated; capital stock, $100,000. *October*. B. E. Cole & Co., of Boston, Beverly, Salem, and Whitman, bought the Pine Tree State Shoe Factory at Ellsworth, Me. —— Boston Blacking Co. ran nights until 11 o'clock; also added new boiler. —— Fires for month: M. D. Witherell, ladies' cloaks, and West & Jenney, camphor refiners. *November*. Fires for month: Whidden, Seaver, & Co., furniture; Boston Mailing Co.; W. S. Best, printer; and S. K. Abbott & Co., printers and bookbinders. *December*. G. F. Hosmer began manufacture of cut soles. —— Boston Belting Co. voted to increase capital stock $300,000. —— Fires for month: J. E. Wall, bamboo novelties; John C. Delaney, planing mill; Clark & Kaufman, fancy leather goods; and Hewes & Potter, suspenders. [Brighton.] In August, ground broken by Brookline Artificial Ice Co. for a manufactory. [Charlestown.] In January, printing establishment of W. W. Rich destroyed by fire. *February*. Building owned and occupied by Eastern Power and Heating Co. damaged by fire. *April*. A. I. Baranoff, formerly proprietor of Penobscot Steam Boiler Works, Bangor, Me., located here to manufacture yacht boilers. —— Shoe shop at the State Prison burned. *May*. Webster Oil and Gasoline Co.'s works damaged by fire. *August*. Engine house of Valley Oil and Gasoline Co.'s works damaged by fire. [Dorchester.] In January, building known as "The Old Cotton Mill," occupied by Chas. M. Bugbee & Co., carpenters, and Novelty Wire Co. destroyed by fire. *November*. Mason Regulator Co. began erection of addition to its shops, 80 x 40, to accommodate new department for manufacturing boiler feed pumps. [East Boston.] In February, Geo. McQuesten & Co.'s planing mill totally destroyed by fire. *March*. Fire damaged New England Drug Mills. *July*. Boston Dyewood & Chemical Co. and Atlantic Dyewood Co. consolidated with the New

York Dyewood, Extract, & Chemical Co. as one establishment; to be known as the New York and Boston Dyewood Co. *November*. Fires for month: Robinson Boiler Works; Murray's Planing Mill; Towle & Foster's manufactory; McHugo & Snow's box factory; Graham & Cameron and Drake & Sons' carpenter shops. *December*. Robinson Boiler Works consolidated with the Atlantic Works. [Jamaica Plain.] In February, Ross, Turner, & Co.'s twine factory damaged by fire. [Mattapan.] In October, work resumed at Tileston & Hollingsworth's paper mill after shutdown of three weeks. [Neponset.] In May, brick factory begun by Coffin Valve Co. *December*. Neponset Steel Casting Co. started manufacturing steel castings in the old Mitis plant. [Roxbury.] In January, new building of American Brewing Co. dedicated. *February*. Factories of Pearson Cordage Co. ran nights. *May*. E. T. Cowdrey, founder of pickle manufacturing company of E. T. Cowdrey & Co., died, aged 63 years. *August*. Pearson Cordage Co. shut down for two weeks' vacation and to overhaul machinery. —— Dressing room of Roxbury Carpet Co. damaged by fire. [South Boston.] In February, fires for month: Robert Bishop's cotton waste mill and Swett & Chase's brass foundry. *March*. Fire brick manufactory of Fiske, Coleman, & Co. damaged by fire. *April*. Shales & May, cabinet manufacturers, conceded nine-hour day to employés. *May*. Master painters and decorators granted employés eight hours on Saturdays.

Bradford. In February, fire damaged S. C. Ring's woodworking establishment. *May*. Machine shop connected with Bradford Iron Works destroyed by fire. *July*. Bradford Iron Works closed.

Braintree. In April, B. L. Morrison Mill leased by Old Colony Cotton Co. to manufacture absorbent cotton; incorporated in June with capital stock of $9,000. *June*. Ground broken for Williams & Kneeland's new shoe factory; to be 40 x 240 feet, four stories. —— Hobart grain mills sold to Francis Ambler. —— W. W. Dennett & Co., shoes, dissolved. *September*. New dye house begun for Morrison Brothers to include accommodations for two dynamos. —— Fire destroyed shoe factory of Williams & Kneeland. *October*. New electric light plant started up for first time. —— Work suspended at Morrison Brothers, pending completion of addition to dyeing department and removal of dynamos to new power house. —— Williams & Kneeland started up work in factory of H. Tucker of Avon, pending completion of their own factory. *November*. Needham Mill repaired; new boiler and water wheel set up.

Bridgewater. In March, Seth Bryant's shoe factory sold at auction.

BROCKTON. In January, Economic Electric Works shut down for one week. —— P. B. Keith, shoes, put in three new heeling machines. —— S. E. Packard & Son, boxes, put in new automatic setting machine. —— J. E. Peckham & Co. started to manufacture steel shanks, etc. —— J. S. Allen & Shaw Shoe Co. discontinued business. —— Factory of N. C. Ruberg, steel shanks, damaged by fire. *February*. New factory of Herbert & Rapp Co., elastic goring, dedicated. —— The S. Gardner Jones factory purchased by Bouvé, Crawford, & Co. —— Columbia Manufacturing Co. organized for making nozzles and wrenches; capital stock $150,000. Machinery purchased from C. W. Pearsall, inventor, and brought from Syracuse, N. Y., where factory originally was. *March*. N. C. Ruberg, steel shanks, added machinery to his equipment. —— James Means & Co., shoes, added new machinery and increased production from 20 to 25 cases a day. —— Standard Co. formed, capital stock $50,000, to manufacture rubber garments. —— Lucius Packard of Salem purchased the A. C. Thompson factory to manufacture carriage wheels. —— W. L. Douglas Shoe Co. formed new corporation under Massachusetts laws; former corporation organized in Maine. —— Albert Barrows and the Scandia Shoe Co.'s factories destroyed by fire. *April*. Patent granted to Chas. E. Connor on a heel nailing and slugging machine. —— Brockton Cut Sole Co. leased additional room and increased facilities. —— George G. Snow, shoes, added another story to a portion of his factory, 80 x 30 feet. —— Brockton Reed & Rattan Co. began to manufacture reed and rattan furniture. —— D. L. Weeks Shoe Co. succeeded to business of Emerson & Weeks and organized under laws of New Hampshire. —— M. P. Clough & Co. succeeded C. A. Coffin & Co. —— Factory occupied by N. C. Ruberg, steel shanks, and the Royal Case Co. totally destroyed by fire. *May*. Woodward & Wright, lasts, and T. White & Co., shoes, made improvements in factories. —— Machinery moved into the new Standard Co.'s rubber factory. —— Cellar begun for N. C. Ruberg's new shop; building to be 70 x 30 feet, 25 feet of which to be built of corrugated iron, so that if the oil used for tempering ignites, the building will be safe. —— J. D. Donovan & Co. added 20 new machines to their coat manufactory. —— Herbert & Rapp Co.'s mill started up after shutdown for stock taking. —— Eaton & Terry, shoes, dissolved; business continued under firm name of Terry, Ware, & Alley. —— Work begun on new factory for W. L. Douglas Shoe Co., 300 x 40 feet, four stories. *June*. New boiler and engine set up in factory of Monarch Rubber Co. —— Ground broken for foundation of factory for the manufacture of ice. —— W. L. Douglas Shoe

Co. put on cutters and started new run. —— J. O. Tougas, dies, ran till 10 o'clock, P.M. for ten days, to complete orders. —— A. C. Thompson and F. M. Shaw & Son's buildings damaged by fire. —— Attempt made to destroy factory of Woodward & Hayward, woodworkers. *July.* Work begun on Phinney & Richardson's new factory. —— Churchill & Alden shut down for repairs. —— Brockton Reed & Rattan Co. changed ownership, passing into the hands of Dr. A. V. Lyon. —— Artesian well, eight inches in diameter and 142 feet deep, completed for Artificial Ice Co. —— D. W. Field, shoes, began to build water tower on factory for use in case of fire. —— Linus H. Shaw and Edward Bryant formed partnership to manufacture shoes under firm name of Shaw & Bryant. —— Following shoe factories shut down for one week: Bouvé, Crawford, & Co., Terry, Ware, & Alley, D. W. Field, Howard & Foster, Geo. E. Keith, P. B. Keith, A. M. Herrod, Niles & Wilbar, Perkins & Joyce, Packard & Field, L. M. Reynolds & Co., M. F. Thomas, Thompson Brothers, F. E. White, Whitman & Keith, H. M. Kingman, Bittenbender & Caverly, and E. H. Reynolds. M. A. Packard & Co. shut down for three days, and R. B. Grover & Co., H. T. Marshall, Geo. G. Snow, and Jas. Means & Co. for two days. —— A chimney spark set fire to roof of Varnum's mill. *August.* O. A. Miller, shoe trees, began erection of a five story factory, 100 x 35 feet. —— R. B. Grover & Co., shoes, began new wing to factory, 100 x 35 feet. —— C. A. Eaton, formerly of Eaton & Terry, leased factory vacated by Houghton, Coolidge, & Co., for two years. —— Work begun on new factory of Aaron F. Emery & Co., shoes. *September.* Addition to R. B. Grover & Co.'s factory dedicated. —— Driscoll & Eaton Manufacturing Co., shoes, chartered; capital stock $45,000. —— W. L. Douglas Shoe Co. occupied new factory. —— Work begun on addition to S. E. Packard's box factory. —— Standard Co. changed name to Standard Rubber Corporation. —— *October.* Operations begun in Phinney & Richardson's new shoe factory. —— Herbert & Rapp Co. bought an elastic fabric plant in Camden, N. J., and moved it to Brockton. —— Foundation laid for Tuck Manufacturing Co.'s shoe tool factory. —— Shoe factories shut down to enable employés to attend Brockton fair. —— Moyen & Habig, shoes, organized. —— Fires for the month: Brockton Last Co., A. M. Packard, Edward Sheehy, and Bouvé, Crawford, & Co., shoes. *November.* Perkins & Joyce, shoes, dissolved; business continued by Joyce & Ford. —— J. C. Lockett Crimping Machine Co. chartered; capital stock $10,000. —— Moyen & Habig, shoes, changed firm name to Moyen, Habig, & Dolan, admitting P. S. Dolan to partnership. —— Columbia Manufacturing Co. worked nights to complete special tools; patent guitar bridge added to product, invention of Geo. W. Bowers, superintendent of works. —— New factory, to replace one burned, begun by Brockton Last Co.; to be 200 x 35 feet, two stories; upper floors leased to Niles & Wilbar, shoes. —— Work begun on addition to shoe factory of Myron F. Thomas. —— Duprey & Tougas succeeded by Duprey & Son. —— Brockton Last Co. added new machinery. *December.* G. G. Snow began work on addition to his shoe factory. —— Stock and machinery of Brockton Shoe Co. purchased by Jenks & Thomas. —— P. B. Keith put in electric light plant for lighting factory. —— T. D. Barry & Co., shoes, purchased old plant of Douglas Shoe Co. and occupied portion of same. —— New portion of Howard & Foster's shoe factory attached to main factory; 70 x 27 feet, four stories. —— New firm, Fletcher & Packard, leased portion of old Douglas shoe factory. —— Bittenbender & Caverly's engine broke down, suspending work. —— H. T. Marshall, shoes, succeeded by Kimball, Tisdale, & Baker. —— M. J. Sullivan & Co., shoes, moved from Abington and occupied factory vacated by T. D. Barry & Co. —— Whitman & Keith, shoes, moved into new addition. —— C. F. Quiggle & Co., shoes, moved from Milford and occupied portion of H. T. Marshall factory. —— O. A. Miller, shoe trees, occupied new factory. —— C. S. Pierce, shoes, equipped factory with automatic fire alarm service. —— Shoe shipments for 1892 as compiled by the *Brockton Enterprise* were 428,241 cases against 429,582 cases in 1891, a decrease of 1,341 cases, or 0.31 per cent. In the INDUSTRIAL CHRONOLOGY for 1891 the shipments for 1891 were given as 438,254 cases; this was an error as it included the last week in December, 1890, which made the tables contain 53 weeks; the real shipment for 52 weeks of 1891 was, as stated, 429,582 cases. These figures do not include the output of the factory of Reynolds, Drake, & Gabell which is shipped from Easton. Neither do they include the number of single pairs sent out by express or mail or sold at the factories, amounting in all to about 3,425 cases. The following table shows the shipments since 1880:

YEARS.	Cases	YEARS.	Cases	YEARS.	Cases
1880, . . .	189,490	1885, . . .	333,980	1890, . . .	469,607
1881, . . .	218,726	1886, . . .	361,584	1891, . . .	429,582
1882, . . .	261,657	1887, . . .	383,404	1892, . . .	428,241
1883, . . .	290,054	1888, . . .	422,282		
1884, . . .	326,858	1889, . . .	433,452		

Brookfield. In January, Forbes' Wheel Co. began removal of plant to Holyoke. *February.* Bacon & Bellows, paper boxes, dissolved; business continued by A. H. Bellows. —— Bradford Yarn Mills incorporated; capital stock $10,000. —— Union Woollen Co., formerly Carpenter & Akers, started up on satinets. *March.* Committee appointed to promote new industries in the town. —— East Brookfield Woollen Co. added new machinery. —— Bradford Yarn Mills started up having added two new sets of garnetting and picking machinery and three new mules. —— Union Woollen Co., added new water wheel, 10 new looms, 2 fulling mills, a rotary cloth press, and a new washer. *July.* Repairs made in Sagendorph mills. *August.* Repairs made on roof of East Brookfield Woollen Co.'s mill. —— Time of beginning day's work at the Sagendorph mill changed. *December.* Repairs made on extracting machines of Clark & Son's shoddy mill. —— Moreau & Rouselle, molded counters, new industry added to town —— Parmenter Manufacturing Co. of North Brookfield, began foundation for new pottery building, 200 x 40 feet.

CAMBRIDGE. In January, Boston Woven Hose & Rubber Co. purchased property of Cambridge Rolling Mills. —— Frank H. Teele's soap factory destroyed by fire, to be rebuilt. *February.* Work begun on soap factory of Jas. C. Davis & Son, wood, 40 x 100 feet, four stories, and glycerine factory of Davis, Curtis, & Co., brick and stone, 60 x 112 feet, two stories. *March.* Henderson Bros.' carriage factory totally destroyed by fire. *April.* John P. Squire & Co., pork packers, celebrated fiftieth anniversary. *May.* American Rubber Co. started up after annual shutdown of two weeks for repairs and stock taking. —— Work begun on carriage factory for Hugh Stewart, wood, 75 x 75 feet, two stories, and leather dressing factory of Adolph Somers, wood, 40 x 40 feet, three stories. *June.* Boiler shop of Moulton's ladder factory damaged by fire. *July.* Boston Woven Hose & Rubber Co. began work on new factory 256 x 97 feet, two stories; foundation to be constructed so that an additional two stories may be built in 1893. —— Work on foundation for Henderson Bros.' carriage factory begun; to be of wood, 100 x 65 feet, two stories. *September.* Richardson & Bacon's saw mill equipped for electric power. *October.* Fires occurred in D. C. Storr's furniture factory and the Rideout Mill. *November.* Work begun on addition to Howard Piano Co.'s factory; to be of wood and brick, 115 x 42 feet, two stories. —— Foundation begun on addition to hat factory of David Wilcox & Co.; to be 74 x 33 feet, two stories. *December.* Ground broken for factory of American Net & Twine Co.; to be of brick, 100 x 70 feet, two stories.

Canton. In June, factory begun for Cornelius Callahan; completed in August and machinery set up; building of wood, 80 x 30 feet, one story.

Carlisle. In October, E. B. Rose & Son, wooden goods, replaced their six horse power engine and eight horse power boiler with a ten horse power engine and a fifteen horse power boiler.

Charlemont. In August, work begun on foundation of H. A. Frary & Son's spool factory; building to be 30 x 120 feet, and 30 hands employed.

Chelmsford. In July, partnership existing between John Byfield and Albert White, under name of Beaver Knitting Co., dissolved; business continued under same name by Mr. Byfield. *November.* Chelmsford Foundry worked overtime.

CHELSEA. In January, B. P. Nichols, printers, and Rikeman & Rowse, furniture, damaged by fire. *April.* Boston Rubber Shoe Co. purchased the Bisbee, Endicott, & Co. iron works, with all buildings, machinery, and materials. *July.* Geo. D. Emery began work on drying room and shed addition to kindling wood factory; brick and iron, 56 x 15 feet, 46 feet high. *December.* A. C. Haskell, mattresses, Boston, purchased and occupied four story building. —— Revere Rubber Co. bought marsh land adjoining its property.

Cheshire. In March, brick charcoal kiln of Richmond Iron Works entirely demolished by explosion of wood gas.

Chester. In March, Grant Corundum Wheel Co. started on foundation for addition to its works.

CHICOPEE. In January, Dwight Manufacturing Co. twice damaged by fire. *February.* Belcher & Taylor Agricultural Tool Co. built new lumber shed and increased facilities. *March.* Fox Brothers' brick yard sold to Baker, Cavanaugh, Verill, & O'Connor. *April.*

New England Carriage Wheel Co. organized. —— Real estate, shops, and water power used by Taylor & Gale Co., a branch of Belcher & Taylor Agricultural Tool Co., sold to Lamb Knitting Machine Co. *June.* Chicopee Manufacturing Co. began putting new machinery into its mills. —— Boiler and purifying houses of Chicopee Gas Co. demolished by an explosion. *July.* Lamb Knitting Machine Co. began work after three days' shutdown for inventory. —— Dwight Manufacturing Co. instituted new schedule of working hours. *August.* Ames Manufacturing Co. shut down for two weeks' vacation, for inventory and repairs. *September.* Belcher & Taylor Agricultural Tool Co. began erection of two additional buildings; one 100 x 30 feet and the other 15 x 25 feet. —— Lamb Knitting Machine Co. broke ground for entrance tower to be joined to main building. —— Factory of Springfield Facing Co. ran overtime. *November.* G. Babcock sold reed manufacturing business to a Providence, R. I., concern. *December.* Chicopee Manufacturing Co. began erection of gate house at bulkhead of canal, 80 x 13 feet. —— Fire damaged picker room of Chicopee Manufacturing Co.

Clinton. In January, stock company formed under name of Clinton Wall Trunk Manufacturing Co.; capital stock $100,000. *February.* Automatic sprinklers put in Lancaster Mills. —— Several machinists in the Parker Machine Shop given an indefinite leave of absence owing to dull trade. —— Clinton Worsted Co. added new looms to plant. *March.* Lancaster Mills put into operation 35 compound opener lappers and finisher lappers. —— Smith, Barr, & Co. started up part of the Clinton Yarn Mill as a linen thread mill. —— Clinton Worsted Co. ran until 9 o'clock four nights a week. *April.* Lyman Leighton began erection of an addition, 30 x 24 feet, three stories, to his mill, which is occupied almost exclusively by Clinton Wall Trunk Manufacturing Co. —— Gibbs Loom Harness and Reed Co. added new set of machinery to works. *May.* Bigelow Carpet Co. added new mules to plant. *August.* Clinton Worsted Co. began three story addition, 84 x 85 feet. *September.* Bigelow Carpet Co. added five feeders for its finisher cards. —— Clinton Worsted Co. purchased mills occupied in part by Smith, Barr, & Co., linen thread, and began repairs preparatory to occupation.

Colrain. In March, Massamet Yarn Co. granted charter of incorporation to manufacture cotton yarn; capital stock $50,000. *April.* Addition begun to No. 1 mill of Griswoldville Manufacturing Co., to be used as cloth room; completed in September and machinery added.

Concord. In July, Damon Manufacturing Co. began work on addition to cotton mill.

Conway. In May, Tucker & Cook Manufacturing Co. enlarged dye house.

Dalton. In April, paper mill of Z. & W. M. Crane destroyed by fire. *May.* A portion of Glennon & Son's woollen mill ran nights. —— Work begun on Crane & Co.'s new paper mill; structure to be of brick and stone, two stories above basement; rag building 40 x 58 feet, two stories above basement; main building 114 x 50 and 120 x 35 feet; completed in October and manufacture of government bank note paper begun. *June.* Main shaft of Defiance Paper Mill broke causing loss of half a day. —— Dalton Machine Co. placed new seven-foot engine lathe in shop. *July.* Dalton Shoe Co. shut down for a few days. —— James Reed, paper, died, aged 79 years. —— Centennial Paper Mill shut down for repairs. —— C. Glennon & Sons rented the Kittredge Woollen Mill, which had been idle for two years, to manufacture woollen goods. *August.* Centennial Paper Mill started up after a two weeks' shutdown for repairs. —— Dalton Machine Co. ran nights. —— Kittredge Woollen Mill started up. *September.* Factory of Fred Rudin, wooden goods, totally destroyed by fire. *November.* Byron Weston Co. organized, capital stock $400,000, succeeding to paper manufacturing business of Byron Weston who retired from active participation in the affairs of the concern while retaining an interest in the business.

Dana. In March, Henry W. Goodman & Co.'s palm leaf hat shop totally destroyed by fire; rebuilt and occupied in September. *October.* Firm of Johnson & Doubleday organized to manufacture wooden boxes. *November.* Henry W. Goodman & Co.'s straw hat factory closed for a short vacation. —— Bishop & Cooley's steam saw mill destroyed by fire.

Danvers. In January, French, Carleton, & Huckins, shoes, changed to Carleton & Huckins. *February.* Fires for month: C. C. Farwell & Co., Wm. H. Burns, and Eaton & Sears, shoes. *March.* Eaton & Sears, shoes, purchased the burned factory recently occupied by C. C. Farwell & Co., and began reconstruction. —— New factory built for Wm. H. Burns, shoes, and occupied in one month and one day after destruction of old factory. *May.* Danvers Morocco Building Association voted to raise $4,000 to build addition to morocco factory of B. Bernard & Co. —— Southwick's morocco shop slightly damaged by fire. *June.* Edward Hutchinson,

president of E. & A. Mudge Shoe Co., died. *July.* Geo. Plumer & Co.'s factory shut down for a few days to make repairs on boiler. *August.* Sullivan & Dow, shoes, dissolved; succeeded by P. Sullivan & Son. *September.* Cahill & Gorman succeeded Cahill & McCarty. —— C. A. Rogers, shoes, removed to Middleton. *November.* L. E. Learoyd put new engine into plant —— A. B. Clark of Peabody leased the old Tapley factory for a wool pulling shop in connection with his morocco factory in Peabody. —— Eaton & Sears, shoes, shut down for one week. —— Hubbard & Blake dissolved; succeeded by Buswell & Brown. *December.* B. Bernard & Co., leather, dissolved; succeeded by Bernard, Freeman, & Co.' Old firm spent $20,000 for new machinery during 1892. —— Jas. W. Tullock, shoes, built new shop 40 x 40 feet, two stories and basement.

Dedham. In February, weavers at Merchants' Woollen Mill had pay advanced on certain kinds of work. —— Burglars blew open safe in chocolate factory of C. D. Brooks & Co. —— Fire damaged dye house of Merchants' Woollen Mill. *March.* R. M. Bailey died, aged 70 years; he was the builder and owner of Arlington Mills, Lawrence, during the war.

Deerfield. In January room finished in basement of Arms pocket-book shop to make room for additional help. *February.* Elevator and grain mills, owned by S. S. Sprague & Co. of Providence, R. I., destroyed by fire.

Dennis. In January, a number of retired sea captains erected a factory, costing $28,000, for the manufacture of shoes, employed 200 hands, and adopted name of West Dennis Shoe Co., being incorporated in December, 1891 with capital stock of $24,000. In March, new machinery was set up in the factory, and in August the factory was closed and the company retired from business.

Dighton. In August addition built to the William Mason Manufacturing Co.'s mill. *December.* Century Stone Co. granted charter; capital stock $14,000.

Dracut. In May, woollen mills of Michael Collins shut down partially for repairs which were completed in August; repairs consisted of three additional floors. New carding machines and other machinery added. *December.* Collins' Woollen Mill shut down.

Easthampton. In February, Williston Mills started up, after long shutdown, on yarns for hosiery and weaving mills, and new company organized to run the mill and to be known as the Easthampton Spinning Co. *March.* Suspender works of L. W. Dibble & Co. closed for four days to repair machinery. *May.* The Glendale and the Nashawannuck Mills shut down for inventory. *July.* Easthampton Spinning Co. put in several new pattern fly frames. —— Easthampton Rubber Thread Co. set up two new cutting machines. *October.* Work begun on an addition to the Easthampton Rubber Thread Co.'s mill; to be of brick, 200 x 50 feet, two stories, with gravel roof.

East Bridgewater. In November, Truesdell's shoddy mill shut down for balance of winter months. —— New circular saw placed in box factory of Cowles & Young. —— Henry Hobart began manufacture of boxes in new factory.

Easton. In March, New England Specialty Co., hardware and specialties, added a plating dynamo to plant.

Essex. In November, new 10 horse power engine set up in Proctor building which was fitted up as a shoe shop. *December.* Bartlett & McKenzie erected building for shoe stitching shop. —— Essex Brass Works started up after a shutdown for repairs.

Fairhaven. In October, work begun on new plant for Iron Foundry Co. to be 129 x 65 feet.

FALL RIVER. In January, Fall River Machine Co. nearly doubled force employed, on account of increased business; ninety tons of ring-spinning machinery shipped by them in one week to South America. —— Work begun on new weave shed for King Philip Mills. —— New machinery put in Weetamoe Mills. —— Globe Yarn Mills completed repairs and resumed operations with full force. —— Price for weaving certain kinds of cloth at Tecumseh Mill advanced 3 and 8 cents per cut. —— James Marshall, hats, shut down for stock taking and addition of new machinery. *February.* Stockholders of Hargraves Mill voted to increase capital stock from

$400,000 to $800,000, and to erect mill No. 2; to contain 35,000 spindles. —— Four-harness work introduced into weave room of Wampanoag Mill No. 2. —— An iron band weighing 176 pounds placed on the Wampanoag Mill chimney, 100 feet above the ground. —— Work not suspended in the mills on Washington's birthday. —— New engine of Robeson Mills, capacity 1,000 horse power, started up. —— Work begun on second mill of the Fall River Iron Works Co., to be 260 x 120 feet, three stories; to operate 70,000 spindles in the manufacture of print cloth. *March.* Metacomet Mills made improvements in card and picker rooms by addition of new machinery. —— Ashworth Machine Shop completed; one story wooden structure, 80 x 120 feet. —— Ground broken for new power station of the Globe Railway Co. —— Stockholders of Fall River Manufactory voted to improve plant by the expenditure of some $30,000 surplus and to revamp machinery. —— Quarterly returns from cotton manufacturing corporations showed an increase in dividends of about $30,950 over those of the corresponding quarter in 1891. —— Kerr Thread Co. succeeded in raising $500,000 additional capital abroad for improvement; mill to be enlarged to 60,000 spindles capacity. —— Mechanics' Mill ran full in all its departments, the first time for many months. —— Wyoming Mills shut down. —— Wampanoag Mills changed time table, running until 3 o'clock Saturdays instead of shutting down at noon. —— Addition 60 feet long and three stories high made to the north end of Border City Mill No. 1, increasing spinning and weaving capacity. —— Sagamore Mill shut down a portion of works owing to break in engine room. —— Crescent Mills sold to Merchants' Manufacturing Co. —— Cotton storehouse for Fall River Iron Works Co. completed. —— Narragansett Mill damaged by fire. *April.* New machinery put in the Metacomet Mill. —— Looms stopped by fire in the Narragansett Mill put in running order again. —— Directors of Hargraves Mills voted to put two more pairs of mules into No. 1 mill. —— New machinery added to King Philip Mill and work started on foundation of new weave shed to contain 1,500 looms. —— Another 100 heads put on looms at the Crescent Mill, making 250 in less than six months. —— Directors of Osborn Mills voted to erect another large cotton storehouse. —— Contract awarded for a new cotton storehouse 100 x 60 feet, for Flint Mills. —— Fall River Bleachery set up two new tenter frames. —— A 1,000 horse power heater placed in Narragansett Mills. —— William Mason, cotton manufacturer, died, aged 85 years. *May.* Wide looms in weave room of No. 2 Wampanoag Mill transferred to new weave room in No. 1 and their places filled by narrow looms. —— Sanford Spinning Co., cotton yarn, organized; capital stock $450,000. —— Work begun on two story addition to cotton storehouse of Merchants' Mill, top floor to be used for slashing. —— Stevens Manufacturing Co. formed; capital stock $250,000. —— Foundation laid for new cotton storehouse 120 x 60 feet, for Shove Mill. —— Fires for month: in Shove Mills' yard and picker room of Durfee Mills. *June.* Directors of Crescent Mill voted to add another story to present structure and an attic and storehouse. —— Plant of Algonquin Print Works enlarged. —— Ground broken for foundation of new Kerr Thread Mills; main structure to be brick with granite underpinning, 130 x 157 feet, five stories, and added to this a finishing mill, 65 x 170 feet, with tower 21 x 27 feet. —— Work begun on foundation of new Stevens Mill. —— New carding and spinning machinery added to mill of Border City Manufacturing Co. —— Directors of Wyoming Mill voted to sell entire plant at public auction in August. —— A sprinkler pipe in Chace Mill broke, flooding fourth floor and causing temporary shutdown. —— Following shutdowns noted during month: Durfee, Merchants, Shove, and Pocasset Mills, on account of accidents to machinery, and American Print Works to put in new boilers and make repairs. *July.* Richard Borden Manufacturing Co. placed two compression rolls for slashers in its mill. —— Outside of new Iron Works Mill completed. —— Pocasset Mill started up, repairs being completed. —— Repairs made at Barnaby Mill and new machinery put in. —— Nine new lathes added to plant of Fall River Machine Co. —— Addition to Border City Manufacturing Co. completed. —— About 240 old style looms taken out of the Davol Mills and replaced with new looms. —— Ground broken for the erection of a 50-foot brick addition, four stories, to American Linen Mill. —— Following shutdowns noted during month: Barnard Mill closed for one week; Eagle Stove Foundry closed indefinitely; Laurel Lake Mill on account of defects in machinery; and Denham Bros., shirts. *August.* Eighty looms started in new Iron Works Mill. —— New Hargraves Mill roofed in and work begun on boiler house and chimney. —— Wyoming Mill property sold at auction for $40,000. —— Union Belt Co. completed for the Fall River Iron Works Co., a three-ply belt, 51 inches wide and 180 feet long; 225 hides used in its construction. —— Wamsutta Mill No. 4 shut down owing to breaking of pulley in weave room. —— Fire destroyed small quantity of cotton in picker house of Wampanoag Mill. *September.* Sale of Wyoming Mills declared by the courts null and void. —— New spinning frames placed in the Wampanoag Mills. —— Engines in King Philip Mill No. 4 started. —— Quequechan Mills sold at private sale for $46,000. —— Mill of Sanford Spinning Co. roofed in and six new boilers placed in it. —— Quequechan Mills damaged by fire. *October.* Lower mule room in Granite Mill idle a few days owing to crooked main shaft. —— New machinery placed in Hargraves Mill. —— New mules placed in King Philip Mills. —— Fall River Bleachery ran on short time owing to low

water. —— Stockholders of Granite Mills voted to authorize directors to erect mill No. 3, to contain 40,000 spindles. —— The triple expansion 2,400 horse power engine in Fall River Iron Works Co.'s cotton mill started up. —— Cornell Mill started up several looms on satteens. —— The following amounts paid during 1891-2 for improvements and new machinery: Laurel Lake Mills, $27,173; King Philip Mills, $147,960; Barnard Manufacturing Co., $11,788; Sagamore Mills, $5,312; Merchants' Mills, $72,000; Globe Yarn Mills, $54,718; Hargraves Mills, $26,000; and Cornell Mills, $16,000. —— King Philip Mills appropriated $250 for the use of a bed for the year at Fall River Hospital. —— Treasurer of Hargraves Mill authorized to purchase a bed in the Fall River Hospital. —— Fire slightly damaged machine in opening room of Shove Mills. *November.* Reorganization of Wyoming Mills completed; capital stock $40,000. —— Durfee Mills voted to erect another spinning mill. —— Break in engine caused brief shutdown in Wampanoag Mill No. 2. —— One hundred new looms placed in Cornell Mill. —— New carding machinery placed in Merchants' Mill. —— Changes made in looms in new weave shed at King Philip Mill. —— Fire slightly damaged picker room of King Philip Mill. *December.* New machinery placed in Stevens Mill. —— Work begun on Granite Mill No. 3; to be 127 x 515 feet. —— Dean & Borden organized to do general carriage making and repairing. —— Half the machinery of Laurel Lake Mill shut down owing to accident to engine. —— Stafford Mill No. 1 idle a few days owing to break in engine. —— Fall River Spool & Bobbin Co. changed hands; new company known as Fall River Bobbin & Shuttle Co. started. —— New machinery placed in Merchants' Mill. —— New engine in Hargraves Mill started up. —— Wampanoag Mills unable to start up one morning owing to defect in water pipes. —— Building occupied by A. G. Thurston & Son, machinists, damaged by fire.

FITCHBURG. In January, John Becker Manufacturing Co., machinery, completed and occupied new factory. —— Fitchburg Manufacturing Co., ginghams, added new brick building. —— Colburn Electrical Manufacturing Co. increased number of employés and secured larger quarters. —— Parkhill Manufacturing Co. completed foundation for a 140 foot, four story addition to mill C. —— Iver Johnson Co., from Worcester, completed removal of all parts of business and formally occupied plant purchased from Heywood Chair Co. *February.* Grant Yarn Co. organized for manufacture of cotton, woollen, and worsted yarn and fabric; capital stock $125,000. —— Brown Bag-Filling Co. organized. —— Fitchburg File Works moved into new factory, 80 x 35 feet, with capacity of 1,000 dozens of files per month. —— Fire slightly damaged Fitchburg Steam Engine Co.'s pattern shop. *March.* Batters set and foundation begun for Grant Yarn Mill, to be 75 x 175 feet and contain 12,000 spindles; completed in August. —— Picker house of McTaggart's Woollen Mill slightly damaged by fire. *April.* Brick work on extension to Parkhill Manufacturing Co.'s mill C finished. —— Foundation begun for addition to Falulah Paper Co.'s mill; to be of brick, 200 x 64 feet, two stories and basement. —— Machine recently placed in Crocker, Burbank, & Co.'s pulp mill started up on wrapping paper. *June.* An addition, 50 feet in length, to Grant Machine Co.'s main building begun. —— Addition to Parkhill Manufacturing Co.'s mill C completed. —— Fitchburg Steam Engine Co. moved into new shop. —— Richard A. Leonard's box factory damaged by fire. *July.* Rodney Wallace's cotton waste stock houses burned. *August.* A brick factory four stories in height, 30 x 40 feet, with brick engine house, begun for E. F. Belding & Co., shoes. —— Iver Johnson Co., bicycles and firearms, shut down to put in two new boilers. *September.* Grant Yarn Co. started up. —— Works of the Fitchburg Paper Box Co. enlarged. —— Baltic Mill leased by Geo. Whitney Woollen Co., of Royalston, for temporary occupancy owing to destruction of its own mill. —— Grinding room of Simonds Rolling Co. slightly damaged by fire. *October.* American Nut Lock Co., formerly a Canadian industry, began operations in the Fitchburg Steam Engine Co.'s old plant. —— Addition to bushing department of Beoli Mills begun. —— Parkhill Manufacturing Co.'s addition completed and occupied. —— Ground broken for new mill of Fitchburg Worsted Co., 121 feet long, five stories. *November.* Beaudry Tool Co. began erection of a shop, 140 x 60 feet, part of which to be two stories and the remainder one story. This company formerly contracted with other companies to manufacture its goods. —— Repairs made at woollen mill of J. Phillips, Jr. —— Oswell Mills increased plant by addition of 4,000 spindles. —— New 200 horse power engine added to the Iver Johnson Co.'s plant. —— Electric light plant put in mills of Grant Yarn Co. *December.* Improvements at Beoli Mill completed. —— Machine shop of Adjustable Saw Tool Co. completed. —— E. F. Belding & Co., shoes, occupied new factory.

Foxborough. In May, Bay State Shoe Co.'s factory bought by Daisy Shoe Co.

Framingham. In February, new stock company, with capital stock of $6,000, organized under name of Framingham Brass Manufacturing Co. *March.* Framingham Power Co. or-

ganized; capital stock of $10,000. —— A building owned by Saxonville Mills destroyed by fire. *April.* Stockholders of South Framingham Manufacturing Co. voted to dissolve corporation. *October.* New England Rattan Co. ran nights. *November.* Work resumed at Saxonville Mills. *December.* Wells & Tuttle began erection of addition to shop. —— Enterprise Manufacturing Co leased portion of Tripp Co.'s building for its rolled forge business. —— Foundation begun on addition to shoe factory of Gregory & Shaw, wood, 100 x 45 feet, five stories.

Franklin. In January, new machinery put in plant of Ray Fabric Co. —— *June.* Three-set satinet mill of Chas. J. McKenzie sold to Mr. Hayward of Uxbridge. —— H. J. Odell and E. H. Sturtevant bought the old needle shop property for purpose of developing same. *July.* Kidder Machine Co. increased its capital stock to $35,000. *September.* J. B. Hopkins & Co. put new machinery into canning shop. *December.* Saxon Mill refitted for manufacture of worsted goods.

Gardner. In July, A. M. Greenwood, of Heywood Bros. & Co., chairs, died, aged 59 years. *August.* Heywood Bros. & Co. began foundation for three-story brick building; box shop and portion of bleaching building to be incorporated into new structure, to be used in part for manufacture of wheels, springs, and axles for baby carriages. —— Heywood Bros. & Co.'s chair factory damaged by fire. *December.* C. W. & C. H. Gates & Co., reed and rattan chairs, dissolved; C. W. Gates & Co. continued. —— Heywood Bros. & Co. purchased cane business of P. Derby & Co.

Georgetown. In April, Parker River Woollen Mill started up all its looms. *December.* Repairs made on engine and boiler of W. M. Brewster's shoe factory.

GLOUCESTER. In February, A. P. Stoddart & Son formed to carry on machinist business. *April.* Cape Ann Tool Co.'s works shut down for a few hours owing to an accident to boiler. *August.* Alonzo D. Peck, retired hat manufacturer, died. *October.* Improved Process Glue Co. increased output. *December.* The oil, glue, and guano plant owned by Andrew W. Dodd, of Salem, destroyed by fire.

Grafton. In January, Pratt Manufacturing Co.'s warp and yarn mill destroyed by fire. *May.* Repairs made at Nelson Shoe Factory. *June.* Shoe factories of Gibbs & Allen and Forbush & Brown shut down at noon on Saturdays. *July.* D. T. Dudley & Sons, shuttles, shut down for repairs. —— Grafton Flax Mills and Sutton Manufacturing Co. ran under 58-hour law. *August.* Washington Emery Mills ran nights. *October.* Electric lights put into Finlayson, Bousfield, & Co.'s flax mill and addition made to preparing department. —— Work resumed in shoe factory of Gibbs & Allen. —— Washington Emery Mills ran overtime. *November.* Lasters began work on new run at Nelson Shoe Factory.

Great Barrington. In March, Monument Mills Co. began construction of dam. *June.* Everett Woollen Co. improved its plant. —— Addition made to Monument Mills, 360 x 65 feet, four stories; to be used for a warp mill. *October.* A break in the dam at Everett Woollen Mill caused the mills depending on it to shut down. *December.* A syndicate of local and New York men purchased land on Housatonic River to erect a cotton mill.

Greenfield. In January, 60 horse power boiler put in at Cutler, Lyons, & Field's shoe factory. *June.* Cutler, Lyons, & Field, shoes, shut down for a week's vacation. —— New boiler house and other improvements at Nichols Bros.' tool shops completed and factory removed from Bernardston. *July.* A. F. Towle & Son's silver factory resumed operations. —— Works of Wiley & Russell Cutlery Co. closed for a week. *September.* Ground broken for Goodell Bros.' new shop; to be of brick, two stories, 72 x 32 feet, with boiler house 31 x 23, and chimney 50 feet high. —— Nichols Bros. purchased premises of Watson Publishing Co. and added a new forge room, 30 x 35 feet, and new machinery. —— Cutler, Lyons, & Field added electric lighting plant to factory. *October.* Warner & Sanderson shops started up, having been shut down while new water wheel was put in. *November.* Goodell Bros. began moving machinery from Shelburne Falls to new factory.

Groveland. In May, J. A. Jeffrey began manufacture of shawls.

Hampden. In April, woollen mill of J. J. Wrisley shut down; started up later in year by Charles Heritage. *July.* Six-set cassimere mill of P. E. Wall destroyed by fire.

Hancock. In April, tannery of C. H. Read & Co. destroyed by fire.

Hardwick. In June, Geo. W. Wheelwright Paper Manufacturing Co. built stock house, 62 x 100 feet, and added engine house and new engine to its plant.

Harvard. In July, firm of Bolan & Gallup established for manufacture of cotton batting, and machinery set up in plant.

Hatfield. In February, Porter Machine Works put in a new planer. *June.* Two-story addition made to storehouse of Ivory Button Co.

HAVERHILL. In January, arrangements completed for establishment of carriage factory by Cilley & Prescott of Kingston, N. H., to be known as the Rosemont Carriage Works.—S. A. Toble, soles, sold out to Geo. A. Ham & Son.—Flue blew out of boiler in building occupied by Sumner Bros., causing a shutdown.—Noyes & Swett, boots, dissolved; no successors.—Asa H. Herring, retired shoe manufacturer, died, aged 60 years.—D. O. Clark & Co.'s tack factory damaged by fire. *February.* Hussey & Hodgdon, shoes, enlarged factory.—W. B. Thom & Co, hats, shut down for repairs on engine.—Searl & Webster put in lasting machines.—Hezekiah S. George, retired shoe manufacturer, died, aged 85 years.—Fires for month: Randall B. Day, shoe contractor, and H J. Pinkham, J. A. Dalrymple, J. K. Hayes, and T. A. Goodell, findings. *March.* P. G. Savells & Co, lasts, dissolved; Bartlett & Johnson continued.—G. W. Gilbert & Co. removed to factory formerly occupied by Gale Bros, and Smith & Bixby to factory vacated by G. W. Gilbert & Co. *April.* W. S. Chase & Sons removed to factory recently vacated by Noyes & Swett.—L. A. Spaulding began erection of brick shoe factory, 175 x 48 feet, six stories.—W. H. Davis leased portion of Jennings, Friedman, & Stevens' factory for manufacture of felt shoes and slippers.—C. F. Maguire, shoes, removed to larger quarters.—Wool department of W. B. Thom & Co.'s hat factory started up.—Fires for month: Varney & Hayes, boxes, and H. W. Chase and Noyes & Johnson, shoes. *May.* Field-Thayer Manufacturing Co. and its employés made joint application to Board of Arbitration to fix prices.—Noyes & Williams, shoes, dissolved; Arthur B. Noyes continued.—Clark Shoe Co. incorporated; capital stock $20,000.—Rosemont Carriage Factory completed and manufacturing begun.—Russ Bros., shoes, added another room to factory.—Fires for month: S. R. Bartlett, cut soles; G. W. Gilbert & Co., cut soles; Appleton & Bassett, shoes; Dana F. Dudley & Co., tips, bows, etc. About 2,000 people temporarily thrown out of employment by these fires owing to burning of belting of engine which supplied power for a number of factories. *June.* S. M. Whittemore, brick, started fires under a kiln of 300,000 brick; first of the season.—Pilling Bros., slippers, sold out to Geo. F. Carleton.—Twombly, Rouleau, & Co., shoes, leased factory formerly occupied by J. W. Russ.—Edgar O. Bullock, cut soles, shut down for two weeks.—Alterations made in cutting room at Field-Thayer Manufacturing Co.'s factory.—D. T. Dudley & Co. and S. R. Bartlett, recently burned out, resumed business.—Stevens' Mill slightly damaged by fire. *July.* Noyes & Johnson, shoes, dissolved; Byron Noyes Co. continued.—Varney & Hayes, boxes, dissolved; Mr. Hayes continued under old name.—All factories getting power from Sander's Station shut down for a week during repairs on engine.—Field-Thayer Manufacturing Co. shut down one week for repairs.—Hodgdon & Sargent dissolved.—C. C. Thompson, shoes, dissolved. *August.* Sawyer Shoe Co. and G. H. Leighton & Co. shut down indefinitely.—Varney & Hayes, boxes, damaged by fire. *September.* Ten new looms for fancy cloth put in the Stevens Mills.—Lambert, Perry, & Co., heels, succeeded by Lambert-Perry Co.—Kelliher & Reed formed to manufacture slippers.—E. S. Harris, shoes, removed to larger quarters.—Spaulding & Swett, shoes, removed into new factory, just completed, and W. W. Spaulding, shoes, occupied portion of old building thus vacated, together with present factory.—Webster & Tabor, shoes, moved into larger quarters.—Frank Kiezer, slippers, damaged by fire. *October.* Ellis & Connor, leased portion of the Swett Block for turned work.—Hiram Swett, shoes, died, aged 62 years. *November.* P. N. Wadleigh secured additional factory room.—Gale Shoe Co. and Miller & Foster set up lasting machines.—Ellis & Connor and Warren Emerson leased new quarters.—A new brick building for manufacturing purposes erected—Lennox & Briggs, morocco, leased entire block for their business.—Patent issued to Frank Holloy for lasting machine.—Woodman & Howes enlarged factory by addition, 100 x 21 feet.—Fire slightly damaged Woodman's woodworking factory. *December.* Stockholders of Oulton Bed Co. voted to close up business.—H. B. Tucker, Bellows Falls, Vt., moved his tap and sole business to Haverhill.—E. A. Jennings removed portion of his shoe business from Epping, N. H., to building recently occupied by Sawyer Shoe Co.—During past year 135 buildings erected, estimated value $560,000.—Shoe shipments for 1892, as compiled by *Haverhill Gazette*, 327,469 cases as against 294,290 cases in 1891, and 327,766 cases in 1890, being an increase of 11.27 per cent as compared with 1891, and a decrease of 0.09 per cent as compared with 1890.

Hinsdale. In July, new steam engine started up at G. A. Robertson & Co.'s paper mill.

Holbrook. In May, Whitcomb & Paine, boots, closed one day owing to break in shafting. *September.* Lemuel S. Whitcomb, of Whitcomb & Paine, boots, died, aged 66 years. *November.* Addition to Whitcomb & Paine's factory completed.——Thomas White & Co.'s factory shut down; cutting department started up again in a few days. *December.* Whitcomb & Paine's factory shut down for a week to put in new machinery.——Thomas White & Co. resumed operations.

Holden. In December, lower mill of Jefferson Manufacturing Co., satinets, destroyed by fire; to be rebuilt.

Holliston. In January, Holliston Woollen Mills started up after a shutdown for repairs. ——Mead Shoe Co. started up. *March.* I. A. Beals Co., shoes, ran nights. *April.* Picker room of Holliston Woollen Mills damaged by fire. *May.* Hollis Manufacturing Co. organized to manufacture suspender materials; capital stock $150,000. *June.* I. A. Beals Co.'s shoe factory shut down for stock taking.——Holliston Mills resumed work. *July.* I. A. Beals Co. and Eaton & Sears of Whitman, consolidated under name of the Holliston Shoe Co.; capital stock $100,000. *September.* C. J. Driscoll's boot factory shut down for repairs.

HOLYOKE. In February, G. W. Prentiss & Co. added department for manufacture of cast steel wire.——Merrick Thread Co. added new 250 horse power engine.——Keating Wheel Co. added new machinery.——New offices of Farr Alpaca Co. completed.——Capital stock of Holyoke Hydrant & Iron Works increased from $40,000 to $60,000.——Chemical Paper Co. No. 2 changed to the Geo. C. Gill Paper Co.——Syms & Dudley transferred mill and property to Nonotuck Paper Co. *March.* Mt. Tom Saw Mill shut down for annual boiler inspection.—— Forbes Wheel Co.'s shop closed owing to illness of foreman.——M. C. Brown, sealing wax, removed to larger quarters.——Nonotuck Paper Co. completed repairs on No. 2 mill.——Keating Wheel Co. added 20 men to working force.——Horner Manufacturing Co. took possession of new quarters.——Ground broken for addition to C. H. Baush & Son's building; 40 x 67 feet, three stories.——McCallum & Co.'s silk mill ran overtime.——Repairs begun on Riverside Paper Co.'s mill.——Ford Auger-Bit Co. organized; capital stock $20,000. *April.* Franklin Paper Co. sold to James & John Ramage for manufacture of Bristol board.——Main driving pulley of Deane Steam Pump Co.'s shop broke causing shutdown.——Work begun on Mittineague Paper Mill.——Merrick Thread Co. shut down half a day.——Holyoke Machine Co. equipped with electric lighting and power system.——Boiler house of Merrick Thread Mill damaged by fire. *May.* Excelsior Paper Co. dissolved; succeeded by Hoffman, Smith, & Hodge.——Finishing rooms of Farr Alpaca Mill shut down owing to the changing of pipes from one side of canal to other.——Syms & Dudley decided to remove to Benton Harbor, Mich.——New England Carriage Wheel Co. began work preliminary to making wheels.——Ford Auger-Bit Co. moved into new quarters. *June.* Linden Paper Co. organized.——Wood carving firm of Burckhard & Lewis changed in name to Entress, Burckhard, & Co.——Smith & White Manufacturing Co. and C. H. Baush & Sons added new machinery.——Holyoke Water Power Co. made improvement in Cabot street mill by building a viaduct 68 feet long from power house to third story of east wing of the quadrangle, increasing power one-third. *July.* Franklin Paper Co. started manufacture of duplex cardboard on its remodelled paper machine.——C. H. Baush & Sons completed addition to machine shop; 68 x 42 feet, two stories.——Work begun on addition to Whiting Mill No. 2; brick, 250 x 52 feet, four stories.——Old machine room of Crocker Paper Co. replaced by a larger and better lighted one, 90 x 26 feet.——Excavations begun for new Riverside Paper Mill.——Keating Wheel Co. shut down one week for inventory.——Norman Paper Co. began manufacturing. *August.* Hugh Craig and A. A. Brooks, formerly employed by Buchanan & Bolt Wire Company, formed partnership for weaving wire cloth and nettings.——New silk company which started up under management of David Goetz purchased site for new mill.——Riverside Paper Co. put on night force in conjunction with day force on excavation work for new No. 2 mill.——Connecticut River Paper Co.'s new building damaged by fire. *September.* Chemical Paper Co. contracted for construction of new stock house, one story high and 250 feet long.——Massachusetts Screw Works shut down one week owing to break in machinery.——Chemical Paper Co. shut down for a few hours owing to breaking of one of the steps in water wheel.——Hampshire Paper Mill shut down for a week for new water wheel and general repairs. *October.* The fine writing paper mills resumed operations after a week's shutdown.——Excavation begun for new mill of Holyoke Manufacturing Co.; to be 150 x 32 feet, two stories, fitted with a 50 horse power boiler and 26 horse power engine.——Work begun on additional buildings to Chemical Paper Co.'s plant. *November.* New beating engine placed in Albion Paper Mill.——New firm under name of Brown Manufacturing Co. rented

part of a building to manufacture quilts. —— Taylor Manufacturing Co. organized for manufacture and sale of envelopes, boxes, etc.; capital stock $15,000. —— Chemical Paper Co. completed improvements to plant. *December.* New buildings of Linden Paper Co. completed. —— New engine set up in Carew Mill. —— Holyoke Envelope Co. enlarged printing plant. —— Union Paper Mill shut down for two days' vacation. —— Norman Paper Co.'s mill shut down owing to low water in canal. —— Fires for month: picker room of Connor Bros.' shoddy mill and rag room of Crocker Mill.

Hopedale. In August, Hopedale Electric Co. formed for manufacture of cars, electrical apparatus, etc., with works in Milford.

Hopkinton. In January, Hopkinton Shoe Factory completed. *February.* Factory of Erastus Thompson & Co. opened for work in order to finish up goods which were in process of making. *March.* New machinery added to G. & F. W. Wood's factory. —— Work in factory of E. Thompson & Co. finished, and shop closed indefinitely. *April.* Crooks, Root, & Co. started up lasting machines in factory. *August.* Power of shoe shop at Woodville increased by addition of new water wheel. *October.* New cutters taken on at Coburn, Gauss, & Co.'s shoe factory.

Hubbardston. In June, part of Eagle Woollen Mills ran overtime to keep up with orders.

Hudson. In February, L. D. Apsley bought partner's interest in Goodyear Gossamer Co. and continued as Apsley Rubber Co. *March.* Factory formerly occupied by New England Knitting Mills leased to P. M. & G. M. Bond of Stoughton for manufacture of paper boxes. *October.* C. M. Brett bought the Chandler Shoe Shop to engage in manufacturing. *November.* New shoe racks placed in Jones & Mortimer's factory. *December.* New help added to stitching department of Apsley Rubber Co.

Hyde Park. In May, new machinery added to John Scott's wool scouring mill. —— Drying room of B. B. & R. Knight's cotton mill damaged by explosion of yarn drying cylinder. *July.* John Bleakie, woollens, died, aged 80 years. *October.* Daniel Whitaker, inventor of soap manufacturing machinery, died, aged 76 years.

Ipswich. In March, isinglass works of C. J. Norwood shut down for season. *September.* Ipswich Mills started up, having been shut down for repairs. *December.* Portion of machinery at Ipswich Mills operated day and night to keep up with orders.

Lancaster. In September, S. R. Damon, of Damon Brick Co., died.

LAWRENCE. In January, wool sorting department of Arlington Mills shut down for week. —— Work begun on new machine shop of Emerson Manufacturing Co.; main building to be 375 x 40 feet, and foundry 100 x 60 feet. —— Mills ran short handed owing to la grippe. —— Beach's soap factory destroyed by fire. *February.* One hundred new looms added to Everett Mills. —— Butler & Robinson, worsted manufacturers, dissolved; business continued by Samuel Robinson under name of Prospect Worsted Co. —— New water wheels placed in Russell Paper Mill. —— Emerson Manufacturing Co. started its new plant. —— Braid mill of Wright Manufacturing Co. started up. —— Double printing machine put into print works of Pacific Mills. *March.* Pemberton Co. added new machinery to plant. —— Lawrence Knitting Co. decided not to remove to Newburyport; shut down indefinitely. —— New water wheel put in Atlantic Cotton Mill. —— F. A. Brady, a Haverhill shoe manufacturer, opened shoe stitching establishment with 20 stitching machines and 40 hands. —— J. H. Horne & Sons Co., paper mill machinery, purchased land adjoining present building for an extension. —— Philips & Kunhardt ran overtime to keep up with orders. —— Blood's machine shop damaged by fire. *April.* Machinery of old Dartmouth Mills sold at auction. —— Everett Mills added 30 revolving flat cards. —— Foundation for enlargement of J. H. Horne & Sons Co.'s machine shop laid. *May.* Washington Mills increased capital stock. —— Work begun on foundation of new brick mill of Everett Co.; to be 200 x 100 feet, four stories. —— Clegg & Fisher, leather board, succeeded by National Fibre Co. —— Lower plant of Pacific Mills' print works shut down owing to accident. *June.* Addition begun to Philips & Kunhardt's mill and Emmons Loom Harness Works. —— James McCormick, flyers and spindles, took on new men. *July.* Iron foundry of E. Davis & Son purchased by the foreman, Jas. F. Lanigan. —— Work begun on addition of a story to drying room of Pemberton Mill. —— Foundation for addition to Stanley Manufacturing Co. begun. —— Arlington Mills adopted schedule of 60 hours' wages for 58 hours' work. —— Engine and boiler in old woollen mill, Methuen, bought by Briggs & Allyn Manufacturing Co. and removed to its

plant here. *August.* Everett Mills shut down two weeks for improvements and repairs.—— Bacon and Munroe Paper Mills shut down for repairs.—— Chimney of Jones Manufacturing Co. struck by lightning.—— Emerson Manufacturing Co. incorporated to manufacture machinery; capital stock $225,000 —— Briggs & Allyn Manufacturing Co. purchased 48,000 feet of land upon which to erect brick building 240 x 60 feet, three stories.—— Central wheel in Atlantic Mill wheel pit torn out and replaced by two horizontal turbine wheels, 72 inches in diameter. *September.* Bacon Paper Mill resumed operations.—— Work on new brick factory for Briggs & Allyn Manufacturing Co. begun.—— Brown & Ackroyd, worsteds, leased Dartmouth Mills to manufacture storm serges.—— Lawrence Shoe Manufacturing Co. organized; capital stock, $30,000.—— John W. Harlow, owner of Spicket Mills, died.—— Main belt in No. 3 weave room of Lower Pacific Mills broke causing brief shut down. *October.* C. N. Perkins disposed of his interest in carriage building firm of C. N. Perkins & Co. to E. Guenett who continued business. —— Shoddy mill of Tower, Wing, & Co. damaged by fire. *December.* Machinery for manufacture of paper boxes placed in Russell Paper Mill.—— Jones Manufacturing Co., felt shoes, began removal of plant to Medford.—— Drying room of Everett Mills damaged by fire.

Lee. In January, Housatonic Mill started up on blotting paper.—— Smith Paper Co.'s Columbia Mill damaged by fire. *March.* Hurlburt Paper Co. purchased the Tanner & Faxon paper mill.—— The cutlery works started forge room on full time.—— Eaton, Dikeman, & Co. added new machinery to mill.—— Night force put on at Clark & Spencer's machine shop. *April.* Shop belonging to Columbia Mill damaged by fire. *May.* Gray & Son's marble shop started up with night force.——G. Roberts, in behalf of Thistle Wire Co., bought large factory building.—— Extensive repairs made at Valley Mill.—— Hurlburt Paper Co. started on photographic paper.—— G. K. Baird & Bros.' middle paper mill destroyed by fire. *June.* A. W. Eaton and others formed a company for manufacture of copying papers; to operate mill of Morley Paper Co. *July.* Foundation of Baird & Bros.' new mill started. *August.* Four engines put in Smith Paper Co.'s plant. *September.* Product of Eaton, Dikeman, & Co.'s mill changed from blotting to tissue paper. *October.* Bostwick's shoddy mill started up.—— Repairs made to Thistle Wire Co.'s mill. *November.* Clark & Spencer rented Smith Paper Co.'s machine shops for year.—— New winding machine placed in Thistle Wire Co.'s shops to displace hand winding.—— A 60 foot, two story addition begun at Hurlburt Paper Co.'s mill to accommodate new rag washing machines. *December.* A stock of calenders and other machinery added to Smith Paper Co.'s Eagle Mill.—— New engine added to Hurlburt Paper Co.—— New machinery placed in Bostwick's shoddy mill.

Leicester. In February, E. G. Carlton & Sons' woollen mill ran overtime. *March.* Comins & Co. ran full time on fancy shirtings. *November.* Work in leather room of J. J. Murdock Card Clothing factory suspended indefinitely.

Lenox. In February, Chapin & Co.'s grist mill totally destroyed by fire. *June.* Capacity of J. Regneir's carriage factory increased.

Leominster. In June, Valpey & Anthony factory bought by S. H. Stevens, for manufacture of shirts. *July.* W. S. Reed Toy Co.'s factory destroyed by fire; to be rebuilt. *August.* Lockey Piano Co. laid foundation for extension to factory. *September.* Work begun on three-story building, 90 x 40 feet, for Wachusett Shirt Co.—— Renison, Hall, & Co., furniture, built three-story brick building, 250 x 50 feet, and added new machinery.—— Factory of A. W. Williams hired by New Hampshire persons for a shoe factory.—— Leominster Shirt Co. occupied its new four-story factory.—— Merriam, Hall, & Co.'s factory ran from 7 to 9 o'clock evenings. *October.* Leominster Worsted Co. completed its new factory. *December.* Wachusett Shirt Co. organized; capital stock, $100,000.—— C. H. Buswell & Co., tanners, dissolved, and new firm formed between C. H. Buswell, Eldridge Brown, Louis Phelps, and W. H. Harrison.

Littleton. In November, foundation completed for addition to plant of Conant, Houghton, & Co. and work begun on superstructure.

LOWELL. In January, Baker Planing Mill sold at auction for $7,500.—— Lowell Manufacturing Co. replaced old looms with new ones in ingrain department. *February.* Massachusetts Cotton Co. added large brick mill to plant.—— Middlesex Machine Co. developed and introduced system of using exhaust steam for heating and drying in mills and factories.—— Work of putting up shafting at new mill of Massachusetts Mohair Plush Co. completed and machinery started up.—— Hamilton Mills changed off several looms from cotton flannel to shirting. *March.* Lowell capitalists purchased water privilege and mill site at Tilton, N. H.,

to erect hosiery mill. —— Tremont & Suffolk Mills increased capital stock from $1,200,000 to $1,500,000. —— Work begun on foundation for new power house, 45 x 25 feet, by Merrimack Valley R.R. Co. —— Weave room of Boott Mills damaged by fire. *April.* Contract for erection of Tremont & Suffolk Co.'s new mill awarded and work begun on tearing down old building. —— United States Bunting Co. remodelled its Bramwell feeders. —— Harriman Bros., elastic webbing, made addition to factory. —— Davis & Sargent's lumber factory damaged by fire. *May.* William E. Walsh, late of John Walsh & Son, started new worsted plant. —— Working force increased at Lowell Machine Shop. —— Twombly, Rouleau, & Co., of Haverhill, shoes, sold out Lowell factory. —— New mill of Tremont & Suffolk Co. begun; to be 119 x 74 feet, four stories and basement. *June.* Merrimack Print Works shut down for stock taking. *July.* United States Bunting Co.'s new mill completed. —— Foundation for new Shaw Stocking Mill begun; to be 251 x 75 feet, two stories and basement. —— Thompson Hardware Co. incorporated; capital stock, $30,000. —— New leather manufactory of White Bros. & Co. completed; brick, 65 x 225 feet, seven stories. —— Following concerns added new machinery: Boott Cotton Mills; Hamilton Mills; Massachusetts Mills; and Prescott Manufacturing Co. —— Fires for month: Mill No. 4 of Hamilton Co. and A. L. Brooks & Co.'s lumber mill. *August.* Tremont & Suffolk Co.'s new mill completed. —— Work of adding a story to Kitson Machine Shop begun. —— Lamson Co.'s works started up again, having been shut down for repairs. —— James Meek, of Lawrence, leased the Locks and Canal Co.'s grist mill. —— Criterion Knitting Co. shut down for two weeks' vacation and Belvidere Woollen Mills for one week. —— Duncan McNabb's machine shop destroyed by fire. *September.* Work begun on new dye house in Merrimack Print Works. —— Waste room of No. 2 mill of Hamilton Co. damaged by fire. *October.* Heeling shop recently owned and run by Henry Eaton removed to land of Samuel Abbott; to be run by the latter. —— Dye house begun for Massachusetts Cotton Mills, 45 x 200 feet, two stories. —— New mill of Shaw Stocking Co. completed. —— Lowell Manufacturing Co. added 183 new carpet looms. *November.* Lowell Manufacturing Co. began to tear down old storehouse to erect new ingrain carpet mill. —— Standard Worsted Co. succeeded James Dugdale, proprietor of Lowell Worsted Mills. —— Mills along Merrimac River inconvenienced by unusually high water. —— Coburn Shuttle Co., successor to American Bobbin, Spool, and Shuttle Co., started up for business. —— Fire slightly damaged boiler room of American Bolt Co.'s works. *December.* Dutton Bros. completed improvements and resumed operations in new saw and grist mill. —— Stirling Mills and Hamilton Manufacturing Co. added new machinery. —— Lowell Manufacturing Co. and several of the cotton mills raised wages 7 per cent.

Ludlow. In April, new factory for Ludlow Manufacturing Co., as an addition to present plant, for making twine, completed; 212 x 70 feet, four stories. *August.* Mill of Wilmer M. Converse destroyed by fire.

LYNN. In January, factory of A. F. Smith damaged by water through bursting of sprinklers. —— Welch & Landregan, shoes, begun addition to factory, 50 x 35 feet. —— Steam pipe burst in Thomson-Houston Works injuring several employés. —— Dennett & Burwell, shoes, dissolved; business continued by E. L. Burwell. —— Work on Titus Bros. factory completed. —— H. J. Johnson & Co., leather coats, dissolved; H. S. Johnson continued. —— V. K. & A. H. Jones, special partners with C. M. Howard, shoes, renewed their interest. —— Shute & Faulkner, morocco, succeeded by F J. & W. O. Faulkner. —— Deaths for month: Thomas Green, morocco, aged 58 years; Amos A. Breed, shoes, aged 83 years; and H. G. Conner and D. J. Crowley, shoes. —— Brass foundry of Chas. C. Buzzey damaged by fire. *February.* Work resumed at Harris & Co.'s car works which had been shut down for some time. —— Richards Bros., shoes, dissolved. —— Thomson-Houston Co. shut down three days for stock taking. —— H. F. Walker, shoes, removed from Beverly. —— J. H. Bowen, soles, removed to larger quarters. —— New shoe firm of F. L. Spinney & Co., started up. —— A 1,000 horse power engine set up at Thomson-Houston Works. —— New enterprise started under name of Novelty Plating Co. —— New shoe firms: Pierce & Libbey; Geo. B. Law & Co.; French Bros. & Co.; Henderson & Palmer (cut soles). *March.* About 20 shoe shops ran nights to keep up with demand for goods. —— Johnson Leather Coat Co. incorporated; capital stock $6,800. —— Shillaber & Co., leased two upper stories in building next to their factory, to increase production 15 cases per day. —— Michael Donovan, formerly of Corcoran, Callahan, & Co., and A. Crowley, succeeded to business of D. J. Crowley. —— A. P. Legro & Co., shoes, succeeded by Legro & Allen, and John J. Lennox admitted as special partner. —— Gasometer of Lynn Gas & Electric Co. collapsed owing to severe gale. —— Healy Bros., recently burned out, purchased machinery and fixtures in the Dorman factory and started in business there. —— Francis W. Breed began removing some of the machinery from his East Rochester, N. H., factory to this city. —— J. B. & W.

A. Lamper's grain mill collapsed. —— Maurice V. Bresnahan, shoe machinery, removed to new factory. —— Francis C. Stickney, shoes, removed factory to West Lynn. —— A. F. Smith, shoes, purchased the Lloyd estate for erection of new factory. —— Deaths for month: J. G. Taylor, shoes, 86 years, and Chas J. Van Depoele, electrician and inventor of the electric street railway, aged 46 years. *April.* Corcoran, Callahan, & Co., shoes, opened a salesroom in New York. —— A 28-foot addition begun to dry house of S. N. Breed & Co. —— New schedule of time for the Saturday half-holiday went into effect at the Thomson-Houston Works. —— Nicholas Weber, morocco, took his son into partnership under firm name of N. Weber & Son. —— Benjamin Dore removed all his business to new shoe factory at Boston. —— G. W. Emerson & Co., shoe machinery, occupied new quarters. —— Work begun on foundation of new building to be used as a bung factory by E. E. Fuller; to be of brick, 70 x 50 feet, four stories, equipped with machinery capable of turning out 150,000 bungs a day. —— J. L. Wright Shoe Co. formed to succeed to the business of H. G. Connor; capital stock $16,000. —— William H. Allen, shoes, died, aged 70 years. —— Fires for month: Skinner & Scott, wheels. *May.* New shoe factory, 46 x 110 feet, begun for Geo. E. Barnard. —— David Knox & Sons incorporated under name of David Knox Machine Co. —— Parker Bros. added new machinery for making cotton and leather staying. —— Joseph Moulton, morocco, sold out to Arthur Magoun. —— Foundation laid for new shoe factory for A. F. Smith. —— Geo. F. Burgess, soles, etc., sold out to Gardiner & McManus. —— Two hundred and fifty new hands added at Thomson-Houston Works. —— Francis W. Breed started stitching room. —— Following firms dissolved: John R. Story & Co. and Morse & Parker, shoes; and Collins & Dolan, morocco. —— Fires for month: planing mill of J. Otis Marshall; J. L. Towne, shoes; E. S. Johnson, sole leather; J. Cochey, shoe stock; J. F. O'Hara & Co., shoes; L. Frank Cahoon & Co., shoes; Balcom & Nutter, stitchers; J. M. Carracabe, leather-board, etc.; Geo. W. Emerson & Co., shoe machinery; and Cutler & Ames, heels and taps; principal damage to most of the firms named was by water. *June.* Chas. E. Jepson began manufacture of overgaiters. —— Kelley & Green, morocco, succeeded Thomas Green & Co. —— W. D. Sprague succeeded by Sprague Shoe Co.; capital stock $30,000. —— Thomas G. Plant's new shoe factory completed; brick with sandstone trimmings, 53 x 180 feet, five stories and basement. —— J. L. Libbey & Son, leather, etc., dissolved; Walter M. Libbey and Walter N. Durgin continued under old firm name. —— A. A. Pitman & Co., shoes, dissolved; business continued under same style by A. A. Pitman. —— Matthew Walsh, shoes, succeeded by Walsh & Warren. —— Gerrish & Tilton, shoes, dissolved. —— Farrell & Powers, cut soles, dissolved; business continued by Farrell & Hurley. —— Rumsey Bros.' factory damaged by bursting of automatic sprinklers. —— Bancroft & Frazier's pearl button factory damaged by fire. *July.* Following shoe firms dissolved: Balcom & Young, L. Frank Cahoon & Co., and Kelly & Murphy. —— S. N. Breed began erection of another shoe factory to contain 56,000 feet floor space and to be occupied by L. S. Johnson & Co. —— Business of Chas. D. Pecker & Co., shoes, removed to Great Falls, N. H. —— Work begun on additional story to factory D of Thomson-Houston Co. —— Roscoe T. Harden, shoes, succeeded Murphy, Shortell, & Co. —— Fires for month: B. G. Patten & Co., shoes; D. A. Sutherland & Co., shoes; and T. B. Reardon, plumbing. *August.* Lynn Rattan Co. started for manufacture of children's toys, baby carriages, etc. —— Lynn Counter Co. organized for manufacture of heel stiffening machine; capital stock $200,000. —— J. D. Mullen & Son, shoes, ran a free shop. —— F. B. Mower & Co. succeeded by Murray & Cone. —— C. S. Sweetser & Co., shoes, dissolved. —— Littlefield & Plummer's mill damaged by lightning. *September.* C. B. Stanbon & Co. organized to manufacture various machines of Mr. Stanbon's invention. —— Brockway & Smith, doors, etc., bought A. F. Smith's three story shoe factory on Oxford street and removed there. —— B. G. Patten & Co., shoes, and Hutchings & Logan, patterns, dissolved. *October.* G. A. Bodwell & Co., leather, dissolved; Geo. A. Bodwell continued. —— Timson & Dibble, shoes, changed to Timson, Dibble, & Horgan. —— M. J. Worthley's factory ran nights. —— A. F. Smith started up all departments in new shoe factory and set up lasting machines. —— Aulson & Mohan, morocco, dissolved. —— Lynn Pearl Button Co. organized to succeed Bancroft & Frazier; capital stock $10,000. —— Potter & Knowlton, soles, taps, etc., dissolved; continued by L. G. Knowlton. —— Geo. F. Burgess, re-established himself in business. —— John T. Moulton, morocco, died, aged 54 years. —— Shoe factory of Eagan & Bolger destroyed by fire. *November.* G. H. Poor & Co. leased Proctor leather plant. —— Box factory of Geo. C. Davis completed and occupied. —— Durgin & Tuttle began manufacture of shoes. —— Hemingway Bros. added to capacity of machine shop. —— New machine for finishing breast of heels shown. Heretofore the breast of the heel had been left unfinished except in high grade shoes; by use of this machine the cheaper goods have the heel breasts finished same as the better ones. —— Second story added to factory of M. J. Worthley. —— Murphy Bros.' factory damaged by fire; H. G. Emery and A. M. & J. H. Preble, shoes, sustained loss by water. *December.* Timson, Dibble, & Horgan, shoes, dissolved; succeeded by Horgan, Timson, & Co. —— Brophy Bros. Shoe Co. succeeded Valpey

& Anthony Shoe Co., with factories at North Leominster and Lynn. —— Mrs. C. H. King Co., shoes, incorporated; capital stock $12,000. —— O. W. Roberts' box factory ran nights. —— C. W. Carkin & Co. succeeded to shoe business of Amos T. Stocker, the latter retaining interest in new firm. —— L. S. Johnson & Co. occupied new shoe factory. —— Shillaber Bros.' shoe factory damaged by fire.

MALDEN. In March, new knitting business started by G. H. Rose. *April.* Boston Rubber Shoe Co.'s factory shut down for three days instead of the customary three weeks. *May.* George Warren Copeland, inventor of shoe machinery, died, aged 59 years. *July.* Foundation begun for Robinson Bros.' new soap factory; to be 64 x 210 feet, with two wings, each running back 50 feet. —— Factories of Boston Rubber Shoe Co. shut down for ten days' vacation. *August.* Boston Rubber Shoe Co. started up again. *September.* Tate & Co., braided cotton cordage and wire goods, began erection of new plant. *October.* Boston Rubber Shoe Co. began erection of four-story brick building 40 x 100 feet. *November.* Picture molding factory of Louis Cohen & Co. damaged by fire.

Marblehead. In January, Titus Bros., shoes, started work in new factory. —— Seavey, Swain, & Co., shoes, dissolved; Mr. Seavey's share disposed of to Mr. Chandler of Lynn. *February.* E. F. Glover & Co., shoes, dissolved; E. F. Glover continued. *April.* Titus Bros.' shoe factory shut down owing to accident to engine. —— Cole & Wiggin removed to the Monroe shoe factory. —— J. W. Reynolds & Co., shoes, removed to Salem. *May.* J. E. Davis occupied factory of William P. Proctor to manufacture machine turned shoes. *June.* Seavey, Swain, & Co., shoes, discontinued here and removed to Lamoille, Ill. —— J. N. Osborne, shoes, gave up business. *July.* S. A. Sparhawk & Son leased Merrill & Tucker's factory to increase output. —— Mower Bros. removed to Lynn. *November.* J. C. Graves purchased the Litchman Shoe Factory. —— Merrill & Tucker shoe factory, with machinery, etc., purchased by S. A. Sparhawk & Son. —— Geo. Hooper, 2d, shoes, shut down during building of addition to factory. —— Several of the shoe factories closed to take account of stock. *December.* Geo. Hooper 2d, completed addition to factory. —— Work at shoe manufacturing begun by W. B. Hooper & Bro. in factory formerly occupied by Titus Bros.

MARLBOROUGH. In January, work resumed at J. E. Curtis' shoe shop. —— Boyd & Corey Boot & Shoe Manufacturing Co. introduced lasting machines in factory. *May.* New boiler put in Diamond M shoe factory. *August.* Hollis & Dearborn began manufacture of boots and shoes. —— Aaron F. Emery & Co. began manufacture of shoes. —— Cambridge Shoe Co. incorporated; capital stock $40,000. —— Foundation laid for addition to S. H. Howe Shoe Co.'s factory, 50 x 60 feet, four stories. *September.* Samuel Boyd, of Boyd & Corey Boot & Shoe Manufacturing Co., died, aged 77 years. *November.* Four lasting machines placed in S. H. Howe Shoe Co.'s factory. —— Boyd & Corey Boot & Shoe Manufacturing Co. closed for stock taking, repairs, etc. —— A. F. Emery & Co., shoes, took on new operatives. *December.* Farwell & Co. placed new steam boiler in their horn and tortoise shell factory. —— Hollis & Dearborn, shoes, changed to Hollis, Dearborn, & Gale. —— J. B. Billings, shoes, resumed operations after stock taking.

Maynard. In July, operatives in Assabet Manufacturing Co. received same wages for 58 as for 60 hours; piecework advanced 3½ per cent.

Medford. In April, new building to be occupied by Mystic Print and Dye Works finished. *June.* Mattress factory damaged by fire. *August.* Medford Manufacturing Co. incorporated for manufacture of cotton and woollen goods. *October.* Medford Manufacturing Co. sunk artesian well at its new plant, yielding about 100 gallons per minute by pumping. *November.* New felt boot factory, 116 x 50, three stories, erected by Medford Manufacturing Co.

Medway. In February, Hirsch & Park began addition and mechanical improvement to factory. —— Alexander Grant died, aged 91 years; he made first pair of pegged boots in Massachusetts, whittling out the pegs by hand. *July.* Hirsch & Park, hats, started felt department and increased force. *August.* Sanford Woollen Mills ran full time. *September.* Several families moved here as result of starting up of Sanford Mills to full capacity. *October.* New boiler placed in Lewis Batting Mill and much of the old machinery removed to make place for new. *December.* Hirsch & Park, hats, made additions to factory. —— Portion of machinery set up at Ray & Wilson's new buckram mill. —— Cutters at M. A. Smith's shoe factory resumed work.

Melrose. In September, F. P. Baker Moulding Co. incorporated for manufacture of picture frames; capital stock $20,000.

Merrimac. In April, carriage factory of Ducette & Winn damaged by fire. *December.* Four story addition begun to J. B. Judkins & Sons' carriage factory.

Methuen. In January, E. F. Searles sold old Methuen Woollen Mills to J. E. Treat, pipe-organ manufacturer. *February.* Tenney's hat shop started up. *April.* Addition placed on Wendell Bros.' yarn mill. *May.* New cloth room addition to Methuen Co.'s mill completed. —— Knitted Fabric Co.'s works ran nights. *November.* Owasco Wool Scouring Co. shut down indefinitely. *December.* Methuen Co. shut down for three days. —— C. R. Briggs began addition to his carbonizing mill.

Middleborough. In March, C. D. Kingman's shoe shop closed indefinitely. —— Middleborough Gas Works damaged by explosion. *September.* J. H. Cushing purchased the Kingman shoe factories and began altering them into dwelling houses. *November.* Leonard & Barrows, shoes, added new engine and lasting machines. —— Hathaway, Soule, & Harrington, shoes, closed factory for three days.

Middleton. In January, Tyler & Armstrong, shoes, dissolved. *June.* J. B. Thomas & Co.'s box factory shut down for repairs. —— New 20 horse power engine added to A. P. Taylor's factory. *August.* Riley & Rogers leased new shoe factory. *September.* C. R. Rogers, shoes, removed from Danvers to this town.

Milford. In January, Clapp, Huckins, & Temple, shoes, increased force. —— Broken shaft at woollen mill repaired and work resumed. —— Work at Norcross' Granite Works temporarily suspended. —— Milford Manufacturing Co. turned out its first manufactured goods in knob department. —— Excavation work completed for Clapp, Huckins, & Temple's new factory. *March.* Stanley Shoe Co. formed. *April.* Manufacture of gaiters started at Excelsior Shoe Co.'s factory. —— Factories of Colburn, Fuller, & Co. and Milford Shoe Co. ran overtime. —— Spencer & Co., paper boxes, added new machinery. *June.* Clapp, Huckins, & Temple's new shoe factory, 256 x 40 feet, four stories and basement, completed and started up. *July.* Jones & Wilkinson, straw goods, dissolved; continued by Mr. Wilkinson. —— Part of Johnson & Rust factory leased to Milford & Hopedale Street Railway Co. for manufacture of storage batteries and other electrical supplies. *October.* Foundation of new car shop completed. *December.* New machinery placed in Colburn, Fuller, & Co.'s shoe shop. —— Hopedale Electric Co.'s new car shop completed.

Millbury. In January, hosiery mill of Crane & Waters Manufacturing Co. started up. —— Wheeler Cotton Mills shut down permanently. —— Aldrich Mills damaged by fire. *February.* Work begun on Edwin Hoyle & Son's new brick mill; main building to be 26 x 46 feet, two stories. —— Chisel works of Buck Bros. partially destroyed by fire. *March.* Extractor at Whitney & Molt's indigo works burst injuring four men. —— H. W. Hakes Manufacturing Co., heddle frames, added new machinery. *April.* Stonemetz Printers' Machinery Co. began removing their heavy machinery to Brooklyn, N. Y. —— Berlin Mill property purchased by Worcester & Millbury R.R. Co. for power station. *May.* Charles Livsey purchased A. M. Stone's picker-strap business. —— Part of machinery in C. T. Aldrich's woollen mill stopped by accident to engine. *June.* Daniel McDuff leased building formerly occupied by Stonemetz Printers' Machinery Co. for purpose of manufacturing linen thread. *July.* Millbury Cotton Mills put in new boilers. —— C. D. Morse & Co.'s sash and blind shop damaged by fire. *August.* Edwin Hoyle & Sons, woollen goods, ran overtime. —— Hamor Gledhill, retired woollen manufacturer, died, aged 68 years. *September.* Charles E. Hoyle of E. Hoyle & Sons, woollens, withdrew from firm. —— Lapham's woollen mills shut down for repairs. —— Underwear plant of Crane & Waters Manufacturing Co. sold at auction. —— Scouring mills of Thomas Windle & Son destroyed by fire; to be rebuilt. *October.* C. T. Aldrich, satinets, added force pump to plant and began erection of fire proof picker house, 40 x 21 feet. *November.* Whitney & McDuff started new thread mill. —— An 1,800 pound grindstone burst at Buck Bros.' chisel works. —— Aldrich Mills damaged by fire. *December.* New wool extract mill of Thomas Windle & Son completed; main mill 80 x 40 feet, with L 40 x 30 feet, both two stories. —— M. A. Lapham began erection of new room at mill, 50 x 20 feet, to be used exclusively for designing purposes. —— Cordis Mills added new machinery. —— Picker room in hosiery mill of Crane & Waters Manufacturing Co. damaged by fire.

Woodenware Co. added new boiler. *June.* Thompson Shoe Factory struck by lightning and slightly damaged. *September.* New engine added to Millis Woodenware Co.'s factory. *December.* E. I. Holbrook made improvements to organ factory.

Monson. In January, S. F. Cushman's Branch mill started up after a shutdown of several weeks for improvements. *April.* S. F. Cushman's mill closed for repairs. *May.* D. W. Ellis & Son's mill shut down owing to accident to main shaft. *October.* Hermann & Lichten's straw shop started up. *December.* R. M. & Theo. Reynolds' woollen mill resumed operations after a shutdown for repairs on engine.

Natick. In May, Pratt & Underwood, shoes, dissolved. *July.* Sheldon Bros. began addition to shoe factory, 20 x 34 feet, two stories; completed in August. —— J. W. Walcott, shoes, changed to J. W. Walcott & Co. —— Bigelow, Madden, & Co., shoes, dissolved; continued by Francis Bigelow. *September.* Driscoll & Eaton Manufacturing Co., shoes, incorporated; capital stock $45,000. —— Factory of Francis Bigelow leased to Daisy Shoe Co. of Boston; incorporated under laws of State of Maine; capital stock, $100,000.

NEW BEDFORD. In January, work begun on foundation of new mill of Rotch Spinning Co. —— Acushnet Mills made improvements. —— Robert Allan, doors, sashes, and blinds, died. *February.* Wilson & Knapp Manufacturing Co., undertakers' supplies, purchased new building to increase output. —— Stockholders of City Manufacturing Corporation voted to increase capital stock by $150,000. —— Foundry and machine shop of G. R. Sisson bought by H. L. Gleason. —— Rotch Spinning Co. incorporated to manufacture hosiery yarn; capital stock $500,000. —— Repairs and improvements begun on the old Folger building for Wilson & Knapp Manufacturing Co. *March.* Work begun on addition to Acushnet Mill No. 1, 300 feet long, two stories, to contain 200 looms. —— Work begun on Pierce Manufacturing Co.'s new mill. —— Potomska Mill Corporation sold to city a tract of land for park purposes. —— Mule room of Wamsutta Mill No. 3 damaged by fire. *April.* Morse Twist Drill Co. worked nights until 9 o'clock owing to rush of orders. *May.* E. B. Tinkham Shoe Co. incorporated; capital stock $1,000. —— Two new boilers placed in boiler room of Hathaway Manufacturing Corporation. —— Fires for month: Abner W. Allen, planing mill; Tilden Bros., candy; and Kerr & Wright, paint shop. *June.* New Bedford Cordage Co. shut down during repairs. —— Sash and blind factory of Mosher & Brownell purchased by Collins & Bowie. —— Pairpoint Manufacturing Co. increased capital stock from $400,000 to $500,000. —— One-story addition, 28 x 65 feet, begun to City Manufacturing Co.'s Mill No. 1, to be used as a machine shop. *July.* Pairpoint Manufacturing Co. started up after a week's vacation. —— Work begun on new Hathaway mill; spinning mill to be 398 x 101 feet, three stories; weaving mill 358 x 74 feet, three stories; engine house 64 x 70 feet, three stories; and picker house 101 x 74 feet, one story; 70,000 spindles. —— Picker house of Rotch Spinning Co.'s mill completed and fires built under boilers for first time. —— Suffolk Electric Co. of Boston leased factory of Jenney Star Electric Co. and began manufacture of arc lamps. —— Rhodes Eyelet Factory ran nights until 9 o'clock. —— Morse Twist Drill and Machine Co. and Pairpoint Manufacturing Co. decided not to run Saturday afternoons during summer. —— Work begun on two-story addition, 10 x 50 feet, to Mt. Washington Glass Works. —— E. F. Dahill made improvements in his shoe factory. *August.* Work begun on addition to Oneko Woollen Mill, 65 x 25 feet, one story, with L 40 x 25 feet. —— Pope's Island Manufacturing Co. shut down for alterations and new machinery. —— Bristol Manufacturing Co. organized and decided to erect new brick mill, for manufacture of print cloth. —— Edward Grinnell, head of New Bedford Iron Foundry, died, aged 41 years. —— Walls of new brick building of Pairpoint Manufacturing Co. completed. —— New Jacquard looms set up at Grinnell Mill. —— Bennett Mill Corporation purchased property on south side of mill for erection of new mill. —— Work begun on addition to buildings of Pope's Island Manufacturing Co. on Pope's Island. —— Outer walls and roof of new Pierce Mill completed. —— Certificate of incorporation granted to Columbia Spinning Co. —— Picker room of Acushnet Mill No. 1 damaged by fire. *September.* E. & K. C. Terry leased the Cook & Smith property to carry on woodworking business. —— Excavation begun for foundation of Bristol Mill; to be 471 x 113 feet, three stories, and to contain between 50,000 and 60,000 spindles. —— Excavation begun for foundation of new Columbia Mill; main building to be 292 x 124 feet, three stories; picker house 64 x 124 feet; engine house 69 x 36 feet; boiler house 58 x 72 feet; office 50 x 25 feet. —— Lower weave shop of No. 5 Wamsutta Mill converted into a fancy goods shop. —— Luscomb & Corey dissolved; business continued by F. W. Luscomb Machine Co. —— New Bedford Cordage Co. resumed operations after a shutdown of three months. —— Two sets of rolls put in at New Bedford Copper Works for making cold rolled cornice copper; also addition built to west

side of building 145 x 20 feet. *October.* Brick addition, 30 x 20 feet, two stories, begun on west end of New Bedford Manufacturing Co.'s building to increase boiler house accommodations. —— Plant of New Bedford Casket Co. sold to W. G. Hammond of Boston; to be continued in same business. —— Eight upright boilers placed in position in the Pierce Mill —— Work begun on cotton storage house, 150 x 75 feet, for Bennett Mills. —— Building formerly occupied by Hastings & Co. as an oil refinery, leased for a term of years and machinery put in for manufacture of straw paper. —— Work begun on brick addition to Potomska Mill No. 2, 90 x 60 feet, two stories, to contain 50 looms. —— Boiler and engine put in at new mill of Terry & Co. *November.* Hathaway Manufacturing Co. placed another patent compression roll for cotton slashers in its mill. —— H. V. Davis Chemical Works decided to erect new building and apparatus to increase facilities one half. —— The engine of Wamsutta Mill No. 6 collapsed, causing a shutdown of mill for six weeks and throwing 600 hands out of work. —— New lasting machines put in shoe factory of Hathaway, Soule, & Harrington. —— The blowing out of cylinder head of engine of Acushnet Mill No. 1 necessitated shutting down a portion of mill. —— Acushnet Mills voted to reduce capital stock. —— Picker room of Wamsutta Mill No. 3 damaged by fire. *December.* New machinery set up in Pierce Mill and some of the picker machines started up. —— Davis Washer Co. organized; capital stock $10,000. —— Wamsutta Mill No. 6 resumed operations after repairs. —— Fairpoint Manufacturing Co. shut down for two weeks.

NEWBURYPORT. In February, Towle Manufacturing Co. resumed work after a week's shutdown for repairs on machinery. —— John A. True altered his barn into a machine shop. —— New shoe firm, Waitt & Trask, started up. —— Fires for month: Essex Manufacturing Co., plush boxes, and Eagle Manufacturing Co., washing powder. *March.* Wilder & Clark Shoe Co. dissolved; business continued by H. A. Clark, formerly of Ordway & Clark, and new machinery added. —— Bayley Hat Co. started up. —— Dodge Bros. put in 50 feet of new shafting and increased capacity of stitching room. —— Waitt & Trask put in 35 machines and benches. *April.* Whitefield Mills sold to company to be known as Bay State Cordage Co. for manufacture of cordage. —— Fulling mill of C. E. Coffin & Co. put in operation. —— New machinery introduced into Peabody Mill for manufacture of pillow cases. —— H. J. Menet and W. S. Hart formed partnership for manufacture of carriages. —— Dodge Bros., shoes, ran factory three nights a week. —— Dry house of Bayley Hat Factory damaged by fire. *May.* Roof of boiler house at the Ellis Car Co.'s works damaged by fire. *June.* Management of Victoria Cotton Mills changed. —— Essex Manufacturing Co. shut down for a short vacation. *July.* Waitt & Trask shut down for a week's vacation. —— New building erected by Vila Paint & Oil Co. in which to boil oil. —— Towle Manufacturing Co. resumed operations after a shutdown of three weeks. *August.* New storehouse begun for C. E. Coffin & Co.'s hat factory. —— Firm of N. D. Dodge & Bliss Co. organized to manufacture ladies' slippers and shoes. *September.* Burley & Usher, shoes, obliged to run evenings. —— Manufacture of cordage begun at Whitefield Mills. —— Perkins Mill shut down for a few days on account of accident to engine. —— Waitt & Trask, shoes, dissolved. *October.* W. G. Bowen began erection of shop, 25 x 40 feet, for boat building purposes. *November.* Vacant factory formerly occupied by A. F. Towle & Son Silver Co. leased by Mercey Hat Co. —— New carriage factory completed by McGlew Bros. *December.* J. M. Brackett & Co. resumed operations at their bevel factory at Daltonville. —— Victoria Mills sold to H. & L. Chase of Boston, for the manufacture of bags. —— Dodge Bros., shoes, ran factory nights. —— Work in wool department of C. E. Coffin & Co., hats, resumed after shutdown.

NEWTON. In January, factory opened in Newton Highlands to manufacture police signals and fire apparatus. —— Hobson Swallow began extracting wool in Rice's old silk mill. —— New boiler and engine placed in Paper Mills at the Upper Falls. *February.* Work resumed at Phipps & Train's silk mill at the Upper Falls. *April.* Nonantum Worsted Co. began manufacture of serge dress goods. —— One section of Bishop Paper Co.'s Mill at Lower Falls destroyed by fire.

North Adams. In February, Oliver Arnold, retired cotton goods manufacturer, died, aged 90 years. —— Windsor Co. obliged to run overtime to fill orders. *March.* Two new beaming frames added to beaming room of Greylock Mills. *April.* Windsor Co. broke ground for new brick storehouse, 120 x 60 feet, one story; new machinery also added. *May.* Portion of finishing room of Greylock Mill partitioned off and dust and smoke from singeing machine conveyed out of doors. —— Windsor Print Works began erection of new drug storehouse, brick, 72 x 50 feet, two stories. —— Cotton shed of Arnold Print Works and steam chest of Windsor Print Works damaged by fire. *July.* Blackinton Woollen Co. replaced its automatic sprinkler heads with new heads. —— Repairs made at the Eclipse and Beaver Mills. *August.* Corporation to be known as the Dunbar Mills formed to manufacture ginghams; cap-

ital stock $100,000. —— Work begun on additional story to color shop of Arnold Print Works. *September.* Brick addition to bleach house at Windsor Print Works begun; 42 x 50 feet, two stories. —— Charter of incorporation granted to Dunbar Mills Co. —— Foundation for new weave shed of Dunbar Mills completed and building begun, 250 x 74 feet, two stories. *October.* Windsor Print Works began erection of another addition to its plant. *November.* D. J. Barber laid foundation for a tannery and leather manufactory, 120 x 40 feet, with brick boiler house separate from main building. *December.* New water wheel set up at Windsor Print Works. —— Norman L. Millard, shoes, admitted C. K. Millard to partnership; now N. L. Millard & Co.

NORTHAMPTON. In January, Henry K. W. Dickinson, retired paper maker, died, aged 73. *February.* John N. Leonard Silk Co. added new 100 horse power boiler. —— Lee's cutlery shop began running on half time —— Incendiary fire destroyed lumber shed and part of woodworking shop of H. M. Smith and J. A. Gagne. *March.* Florence Machine Co., known as Central Oil Gas Stove Co., resumed manufacture of sewing machines. *May.* Employés of Leonard's silk mill worked Sundays and nights. —— New engine placed in Mt. Tom Sulphite Pulp Mill. —— Building owned by Nonotuck Silk Co., and used for manufacture of materials used in dye house, destroyed by fire. *June.* Norton's ladder factory and turning shop destroyed by fire. *July.* Damon Narrow Fabric Co. shut down their 56-loom plant permanently. —— Northampton Cutlery Co., E. E. Wood Cutlery Co., and Clement Manufacturing Co., cutlery, closed for repairs. —— Boston Cash Register Co. increased capital stock from $200,000 to $300,000. —— Nonotuck Silk Co. agreed to pay help at Florence Mills 60 hours' pay for 58 hours' work. —— Nonotuck Pocket-Book Co. ran nights to catch up with orders. —— Belding's silk mill shut down one week for inventory and repairs. —— S. C. Rose's carriage shop damaged by fire. *August.* Jas. E. Cunningham purchased shop in Florence for manufacture of moulders' tools. —— Nonotuck Silk Co. bought 40 acres of land for purpose of having a place for their nitrate of iron works. *September.* Plant of Damon Narrow Fabric Co. acquired by Hutchins Narrow Fabric Co. of Worcester. *October.* Whitney Safety Fire Arms Co. arranged for a removal of its works to Allentown, Pa., the citizens of that place having purchased a mill for the company. —— Florence Manufacturing Co. began enlargement of its shops; addition to be of brick, 27 x 60 feet, three stories. —— New digester added to Mt. Tom Sulphite Pulp Co. *November.* Nonotuck Silk Co. put in new flume and water wheel at the spool mill. *December.* Emory Wheel Works shut down. —— Williams' basket factory resumed operations after shutdown for improvements.

North Andover. In May, Sagehomme & Byers, worsted goods, inaugurated Saturday afternoon remnant sales at mill. *August.* Sutton's lower mill enlarged to accommodate increasing business. —— Owing to rush of orders Sagehomme & Byers' worsted mill ran nights. *October.* North Andover Mills began erection of three-story addition with basement, 54 x 50 feet. —— James P. Cook, president Sutton Woollen Mills, died, aged 72 years.

North Attleborough. In February, Sandland, Capron, & Co. dissolved; business continued under old name by T. G. Sandland and H. E. Capron. *May.* Daniel Evans, retired button manufacturer, died, aged 74 years. *July.* North Attleborough Steam & Electric Co. reorganized.

Northbridge. In January, break in engine of Paul Whitin Manufacturing Co. occasioned partial shutdown for few days. *August.* Whitinsville Spinning Ring Co. closed its works for a week's vacation. *October.* Paul Whitin Manufacturing Co. began erection of a brick addition to its mill, 88 feet long, four stories, and same width as present building. —— Whitinsville Spinning Ring Co. moved into new addition.

North Brookfield. In September, Parmenter Manufacturing Co. began work on new brick yard.

Northfield. In September, work begun at corn packing factory of L. T. Webster.

Norwell. In September, new Richmond Cotton Braid Mill completed.

Norwood. In May, Ball & Davis, heels, dissolved; continued by John N. Ball. *June.* Stillhouse connected with printing ink works of G. H. Merrill & Co. destroyed by fire.

Orange. In April, lasting machines introduced in J. B. Reynolds' factory. *May.* Basement of Orange Furniture Co.'s factory slightly damaged by fire. *June.* Rodney Hunt

Machine Co. began addition to machine shop, 75 x 40 feet, two stories. *July.* Foundation begun for a four-story brick building, 120 x 80 feet, at works of New Home Sewing Machine Co. —— New Home Sewing Machine Co.'s factory closed for stock taking. *September.* J. B. Reynolds, boots and shoes, added new engine house, engine, and boiler. *December.* F. H. Sprague & Co. leased additional room to increase output.

Oxford. In April, mill of N. E. Taft, satinets, destroyed by fire; rebuilt. *October.* Mills of Buffum Woollen Co. sold at auction to Elisha F. Thayer of Boston.

Palmer. In February, slasher cylinders in Thorndike Co.'s No. 2 mill burst. *March.* Palmer Cotton Mill began erection of repair shop, 160 x 40 feet, and storehouse 100 x 60 feet. *April.* Cushing Wire Mill ran 12 hours a day to keep up with orders. —— Boston Duck Co. started 100 looms on ticking. *May.* Boston Duck Co. added new blanket looms. *June.* Palmer Wire Mills resumed operations after a shutdown of four weeks, during which new boiler and engine were put in. —— L. E. Moore sold his interest in carpet mill to C. F. Bigelow of Worcester. —— Roof of Boston Duck Co.'s mill blown off by wind. *September.* C. E. Grosvenor purchased the Smith Shoddy Mill. *October.* Boston Duck Co. added new machinery. —— Fire destroyed shoddy mill of Erastus Davis. *November.* Thorndike Co. added new looms to No. 1 mill.

Peabody. In January, tannery of Thomas E. Proctor Leather Co., employing 200 hands, shut down indefinitely. *February.* Otis Brown & Co., started up the H. C. Torr tannery. *March.* S. A. Southwick, kip leather, shut down indefinitely. *April.* Horace A. Southwick of Danvers, morocco, bought factory formerly occupied by Dean & Blake, moving here in September. —— Downing-Knapp Co., morocco, dissolved and reorganized; capital increased from $50,000 to $100,000. —— A. B. Clark began addition to morocco factory, 45 x 55 feet, for two hydraulic presses. *May.* J. A. Hammond & Co., began addition to shoe factory. —— Thomas Carroll factory purchased by George Foan & Son, linings and wool skins. —— Cass Bros., morocco, decided to remain here and leased the Webster factory. —— Work of fitting up Lennox's factory with automatic water sprinklers begun. —— L. & G. H. Poor, Franklin & Osborne Leather Co., R. G. Nelson, and Matthew Robson signed agreement to shut down their leather manufactories for two months. —— Fires for month: bark mill at tannery of Geo. J. Winchester & Son, and leather works of Geo. M. Osborne & Co. *June.* Moore Barrel Closer Co. organized; capital stock $100,000. —— Shop occupied by Andrew Torr, jacket leather, destroyed by fire; Upton Glue Works also damaged. *July.* Peabody Water Board revised tariff of water rates, and made reduction of about 40 per cent on water for manufacturing purposes. —— John Pinder, retired leather merchant, died, aged 68 years. *August.* Creehore & Co., curriers, started in shoe stock business. —— Standard Thermometer Works shut down one week for repairs. —— Armstrong Leather Co., organized by Salomon & Phillips of Boston and New York, for manufacture of fancy leather, leased Brown & Stanley factory for five years. —— Downing-Knapp Co. leased portion of the Little property for drying purposes. —— Currying shop of J. A. Lord, Jr., damaged by fire. *September.* New electric light system placed in operation. —— Firm of L. & G. H. Poor, tanners and curriers, changed to Geo. H. Poor & Son. *December.* G. H. Poor Manufacturing Co. incorporated; capital stock $25,000, succeeding Geo. H. Poor & Son. —— L. B. Southwick & Co. began erection of new dryhouse. —— J. B. Thomas began foundation for new shoe factory. —— New morocco firm organized under name of Walton & Ferrin. —— Craig mills property, formerly occupied by Franklin Electric Co., leased by Vaughn Leather Machine Co. of Salem. —— Knapp, Phillips, & Co., morocco, dissolved; succeeded by S. E. Knapp & Co. —— Ames Fertilizer Co. began erection of three story building, 50 x 110 feet.

Pepperell. In January, Burkinshaw Cutlery shop damaged by fire. *March.* Leighton Bros. shoe factory shut down.

Petersham. In March, Elisha Webb's powder keg factory shut down for repairs and stock taking. *November.* John Harty began manufacture of flavoring extracts and perfumes.

PITTSFIELD. In January, Robbins & Kellogg completed inventory and started up after three weeks' shut down. *April.* Stanley Electric Manufacturing Co. added insulating building to factory. —— Wilson & Horton doubled amount of machinery in their Taconic Mill. —— Electroller Manufacturing Co. formed for purpose of manufacturing an electric light adjustment. —— Pittsfield Manufacturing Co. started up carding and spinning departments of Barker Bros.' mill, to manufacture yarn for their own use. —— Stanley Electric Manufacturing Co., Pittsfield Manufacturing Co., and Berkshire Overall Co. ran overtime. *May.* Robbins, Kellogg, & Co.

30 x 40 feet, for their Taconic Mills. —— Dennis Kelley, of Troy, N. Y., started a brass foundry. *July*. Russell & Jones' clock shop started up. *August*. W. E. Tillotson began erection of knitting mill, 60 x 200 feet. —— Capital stock of Stanley Electric Manufacturing Co. increased from $50,000 to $100,000. *September*. Pittsfield Manufacturing Co. and Pittsfield Shoe Co. discontinued running nights. —— Cheshire Shoe Co. ran nights. *November*. Russell Manufacturing Co. built addition to its dye house. —— O. W. Robbins and C. W. Kellogg sold their shoe factory plant to Robbins-Kellogg Shoe Co., which was organized to succeed to the business with capital stock of $100,000. *December*. Some of the departments of the Bel Air Mill ran overtime to keep up with orders.

Plymouth. In March, Plymouth Rock Boot & Shoe Co. sold at auction to Geo. F. Weston. *April*. New generator added to electric plant of Plymouth Cordage Co. *November*. Ground broken for new machine shop of Plymouth Cordage Co. —— Bowles & Eaton fitted up bobbin factory. *December*. E. L. Edes began erection of new manufactory. —— Manufacture of shoes started by Travers Bros.

QUINCY. In January, Harry S. Luce, of Miller & Luce, granite, died, aged 38 years. *March*. Stone sheds, polishing shops, and quarries obliged to shut down on account of storm. —— Maddox Wire Belting Co. of Westbrook, Me., leased factory building of J. R. Graham. *May*. Wallaston Foundry destroyed by fire. *September*. About 600 men in the granite district returned to work, having been idle five months. —— David Whittemore, of Whittemore Manufacturing Co., blacking, died, aged 74 years.

Randolph. In May, Bradley, Hagney, & Leonard, shoes, presented to employés a life insurance policy of $1,000 with payment paid; about 20 accepted gift. *September*. John Peach & Co. rented and took possession of Chas. Howard's factory. *November*. Bryant, Ochs, & Co., shoes, dissolved. —— Ground broken for new harness factory, 90 x 50 feet, four stories, with engine and boiler house, to be occupied by C. Doughty, of Augusta, Me. —— G. H. Burt & Co.'s shoe factory bought by Simon Schraut. *December*. John Peach, shoes, reorganized with special capital $10,000 for three years. —— Pierce, Small, & Co. added new machines to factory.

Raynham. In February, shoe factory of A. H. Gushee started up after a shutdown of several weeks.

Reading. In October, J. W. Richardson Shoe Co. incorporated; capital stock $12,000.

Revere. In November, J. M. White's rubber factory burned.

Rockland. In January, Wright & Richards, shoes, built addition to factory. —— Rockland Welt Co. increased its help. *December*. Work begun on new factory which citizens agreed to build for Chipman, Calley, & Co.; to be 200 x 40 feet, four stories, with tower. —— Wright & Richards began foundation for addition to factory.

Rowley. In July, Glen Mills Creamery shut down permanently. *September*. G. B. Prime, shoes, equipped factory with steam power plant and new machinery.

Royalston. In August, George Whitney Woollen Mills destroyed by fire, throwing 200 hands out of employment; to be rebuilt, new mill to be 200 x 50 feet, three stories, and to contain ten sets of machinery. Pending rebuilding of mill, the Baltic Mill at Fitchburg was leased and occupied.

Russell. In March, saw and grist mill of E. S. Combes sold to Chas. A. Brown of Blandford. *July*. Fairfield Paper Co. made improvements in its mill; four old beating engines replaced with three large ones, increasing product one and one-half tons per day.

SALEM. In January, Naumkeag Steam Cotton Co. bought ship yard of Joshua Brown, possession taken May 1. —— P. Creedon & Co., curriers, dissolved; continued by P. Creedon. *February*. Dane, Grinnell, & Co., shoes, succeeded by Jos. A. Dane & Co. —— Paste and stiffening shop of Peter Kelleher destroyed by fire. *March*. Roof of Jeremiah Donahue's factory damaged by fire. *April*. J. W. Reynolds & Co., shoes, removed here from Marblehead. —— Patent issued to E. H. Noble for a flexible inner sole. —— New England Manufacturing and Building Co. incorporated for manufacture of doors, sashes, blinds, school and church

furniture, etc.; capital stock $10,000.—Treadwell Bros. & Clark, morocco, succeeded N. R. Clark, deceased.—Two large belts and pulley broken at electric light station.—Nevins & Co.'s old jute factory with 72,200 feet of land, four buildings, shafting, engines, boilers, etc., sold at auction to W. E. Bates.—Vaughn Morocco Machine Co. began addition of another story to factory.—Joseph W. Vaughn, inventor of Vaughn morocco machine, died, aged 70 years.—Shoe finding factory of Frank Murphy destroyed by fire. *May.* Geo. M. Osborne & Co.'s tannery damaged by fire. *June.* Hurley & Moran, shoes, succeeded Hurley, Fenerty, & Co.—Naumkeag Mills began new cloth room.—L. G. Straw & Co. discharged all their lasters and introduced lasting machines.—Holman & Merrill began manufacture of infants' shoes. *July.* Contract for building new four-story factory for Naumkeag Steam Cotton Co. awarded; to be of wood with brick foundation. One feature of building to be a dust chimney 8 x 6 feet and 50 feet in height.—One of the Association factories leased to Ipswich Woollen Mills for manufacture of stockings.—Naumkeag Steam Cotton Co. adopted a 58 hour working schedule.—Firm of McNiff & McCarthy formed for manufacture of ladies and children's shoes.—Taylor & Duston, shoes, started working up stock on hand. *August.* Wilder Manufacturing Co. closed contract to manufacture type writers.—New England Manufacturing and Building Co. put in machinery and ran on full time. *September.* Lovejoy Shoe Factory sold at auction to Denis Brady. *October.* John W. Reynolds, of Marblehead, and Jos. E. Daley formed a copartnership, under style of John W. Reynolds & Co., for manufacture of misses and children's shoes.—Harding & Raby began erection of brick building, 25 x 124 feet, the first 65 feet being two stories; to contain harness shop, woodworking department, iron working department, and horseshoeing establishment on first floor, and store room and paint shop on second.—New 25 foot lathe placed in Vaughn Morocco Machine Co.'s plant.—Salem File Works damaged by fire. *November.* C. S. Fuller & Co. of Lynn removed here, and cutters and stitchers began work; factory formally opened under auspices of Board of Trade.—Naumkeag Steam Cotton Co. contracted for removal of old pier along northern side of No. 3 mill and for construction of new one. *December.* Wm. W. Kellett & Co. leased factory of James Riley & Son for three years.—Dr. C. A. Nolcini added manufacturing department to his office and put in two machines for manufacture of tablets and troches.—Ames & Searles, shoes, succeeded C. E. Ames & Co.—C. W. Moore invented a wheel for softening goat and calfskins. The skins were fastened by clamps to rim of the wheel, and as the wheel revolved they struck against a rack and were thus rendered pliable.—New branch shop of Ipswich Woollen Mills started up with about 50 girls employed.—Moriarty & Son, leather, began operations in the old Walden Factory; leather to be tanned by new process.—Fires for month: Devlin Bros., paste and heels; H. D. Lefavour and Hill & Dailey, shoes; and Naumkeag Plating Co.

Sandwich. In March, works of Boston & Sandwich Glass Co. passed into hands of A. V. Johnson of Boston.

Saugus. In September, woollen mills of Pranker Manufacturing Co. added $40,000 worth of new machinery. *November.* H. N. Vray enlarged his morocco factory. *October.* Geo. A. Webster's rattan factory destroyed by fire.

Savoy. In February, Leman Blanchard began building windmill and shop for manufacture of butcher knives.

Scituate. In June, Barber Tannery at Greenbush enlarged. *October.* Water privilege on Bound Brook leased to Chas. Clapp who began erection of planing mill.

Sheffield. In February, cider mill and distillery of A. W. Curtis destroyed by fire; began rebuilding in August.

Shelburne. In May, Mayhew Silk Mill started up. *July.* Lamson & Goodnow Manufacturing Co., cutlery, shut down two weeks for repairs.—H. H. Mayhew & Co. put in new water wheel and made other changes. *August.* Lamson & Goodnow Manufacturing Co., cutlery, bought water rights on Deerfield River.—Mayhew & Wilkins paid employés same wages for 58 as for 60 hours. *September.* Repairs made on building of Rogers Cutlery Co. *October.* Mayhew & Wilkins, silk, began brick foundation for new 50 horse power engine. *December.* Broken crank on new engine in Mayhew & Wilkins' silk mill caused them to close.—Lamson & Goodnow Manufacturing Co., cutlery, shut down one week.

Shirley. In March, improvements made at factory of Samson Cordage Co.; flume rebuilt and new water wheel added; picker house rebuilt and fitted with new machinery; and new

machinery added to various departments. *April.* Paper Mill of B. S. Binney destroyed by fire. *August.* Yarn all used at Fredonia Cotton Mill and mill shut down; purchased by Samson Cordage Co. *September.* New machinery put in at Phœnix Mills. *October.* Samson Cordage Co. introduced electric power as an experiment. *November.* Shirley Woollen Co. organized under Maine laws to manufacture all kinds of woollen goods; capital stock $50 000. *December.* Work begun on erection of new wool-extracting establishment.

Shrewsbury. In February, Reuben Taft purchased saw and grist mills; steam to be added to supplement water power.

Somerset. In January, Mount Hope Iron Co. started up, a supply of kegs having arrived. —— Somerset Stove Foundry started up.——Somerset Potters Works shut down owing to defect in boiler. *March.* Mount Hope Iron Co. posted following notice: "The extreme low price for nails and plate iron has for a long time and still continues to force upon us a loss far too great for us to bear longer, and if we are to continue in the business it is necessary for us to make an individual reduction of wages which will then bring them no lower than other cut nail manufacturers are running under. If the reductions are accepted on or before the 12th inst. (to take effect the 14th inst.) we shall make a special effort to run full time or as near to that as possible. If not accepted, we will continue at present wages until about May 1, when the works will be closed indefinitely." All but two of the 270 employés accepted the reduction. *April.* Mount Hope Iron Co. and Stove Foundry resumed operation after a three days' shutdown. *July.* Mount Hope Iron Works shut down for repairs and stock taking; started again in September. *November.* Two new kilns erected by Somerset Potters Co. for making enamelled brick; capital increased from $400,000 to $500,000.

SOMERVILLE. In April, Lynam's Match Factory destroyed by fire, and building occupied by Granville Fairbanks as cooper shop damaged by fire. *May.* Ball & Davis, heels, dissolved; continued by John N. Ball. —— Addition begun to Birch Bros.' machine shop; wood, 61 x 37 feet, two stories. *July.* Excavation begun for furniture hardware factory for Peter Forg; brick, 87 x 70 x 53 feet, L 70 x 19 feet, two stories. —— Four-story brick building occupied by Sprague & Hathaway, picture frames, etc., destroyed by fire. *August.* Foundation of new plant for N. E. Dressed Meat & Wool Co. begun; to be of brick, main building to be in two sections, 634 x 58 feet, two and one-half stories, and 440 x 58 feet, three stories, for cold storage, etc.; sheep storage houses and boiler house 105 x 69 feet, one story; wool storage 150 x 48 feet, three stories; stable 160 x 50 feet, three stories. —— Walker's Oil Works damaged by fire. *September.* New machine shop staked out for E. I. Braddock, wood, 70 x 30 feet, two stories. *October.* S. H. Morrill bought from Samuel Wilder his grain mill property; transaction included mill building, power, plant, etc.

Southbridge. In January, Hamilton Woollen Co. began removing delaine looms from new mill to the print works building. —— American Optical Co. shut down a few days for stock taking. *February.* Southbridge Printing Co. bought a six color calico printing machine from Hamilton Woolen Co. *April.* Hamilton Woollen Mills and Central Mills began running on summer schedule, giving employés a half-holiday on Saturdays until October. —— Engine at Southbridge Printing Co. became disabled, requiring about ten days for repairs; no shutdown. *May.* Edward Litchfield, of Litchfield Shuttle Co., died, aged 45 years. —— New machinery added to Litchfield Shuttle Co. and more hands employed. —— Picker room of Hamilton Woollen Co. damaged by fire. *June.* A cofferdam put in near carpenter shop of Hamilton Woollen Co. to keep the print works running during the time of putting in new water wheels; old machinery replaced by new. —— Fancy dye house started up after shutdown for boiler cleaning and stock taking. *July.* Engine and boiler of 30 horse power put into Litchfield Shuttle Co.'s works. *August.* Four of the five new water wheels of the Hamilton Woollen Co. started up. *September.* Litchfield Shuttle Co. began addition to plant, 100 x 28 feet, three stories. —— The Blue Mill abandoned as part of working plant of Hamilton Woollen Co. and all machinery removed to what was previously known as the cotton mill. —— American Optical Works began addition to mill, 100 x 35 feet, four stories.

South Hadley. In January, Glasgow Co. adopted new schedule of time. *April.* Break in driving machinery of Carew Paper Mill occasioned a short shutdown. *June.* Glasgow Co. added new machinery. *July.* Machinery repairs begun in Glasgow, Hampshire, and Carew Mills. *August.* Hampshire Paper Co. broke ground for new stock house; to be 35 x 80 feet, two stories. —— Landers Bros., brick, bought brick yards and manufacturing outfit of Patrick Kilkelly. *September.* New dam and raceway begun for Glasgow Co. *October.* Glasgow Co. shut down for repairs and building of a new penstock. *November.* Glasgow

Co. started on its winter time table, and added new steam engine. —— Landers Bros. closed brick plant for the season. *December.* Number of mills shut down on account of low water. —— Carew Paper Co.'s mill started up after a shutdown of several weeks for repairs and the building of an addition 48 x 100 feet, four stories; improvements necessitated an increase in working force. —— Glasgow Co. completed work of repairing its cotton mill. —— Work of putting new roof on Carew Paper Mill finished and a second engine added.

Spencer. In February, shoe department of Isaac Prouty & Co.'s shop ran temporarily on eight-hour time. —— E. E. Stone & Co., woodworkers, began manufacture of boxes. *March.* Westville Mill started up. *May.* Hydrants placed on roof of Isaac Prouty & Co.'s buildings with hose attached ready for immediate use. *July.* Some of the departments of Geo. P. Ladd's woollen mill obliged to run nights. *September.* David Prouty, retired boot manufacturer, died, aged 79 years. *October.* Foundation begun for addition to factory of Isaac Prouty & Co.; to be 42 x 120 feet, six stories. —— For the first time in 20 years and the second in history of woollen business in this town, Westville Mill shut down on account of low water. *November.* New 100 horse power boiler put in shoe factory of Bacon, Young, & Co. *December.* John Day's slaughter house destroyed by fire.

SPRINGFIELD. In January, Agawam Knitting Co. organized, capital stock $100,000, and purchased plant of Agawam Manufacturing Co. for manufacture of hosiery and underwear. This plant was started in 1881 by W. G. Medlicott Co., but in 1886 it was transferred to Brown, Wood, & Kingman, who carried on the business under name of Agawam Manufacturing Co. In 1889 business was suspended. —— Cashin Card and Paper Co. leased three floors of the Wilkinson block, which the owner remodelled for them, for manufacture of glazed and enamelled cardboard and embossed papers. —— Ground broken for new factory of National Papeterie Co.; to be of brick, 176 x 50 feet, five stories; completed in March. *February.* Agawam Knitting Mills started up; nearly all the old help re-engaged. —— Stebbins Manufacturing Co. added a 50-foot building to its foundry, a room for extra moulders, and made addition to pattern house. —— Century Manufacturing Co.'s plant sold to F. E. Wood of Northampton; to be continued as private concern. The old company was known as the Taunton Co., but in 1890 it was reorganized under its present name and had been running as a corporation with a capital stock of $10,000. —— Blake Manufacturing Co. incorporated for manufacture of metal goods of all kinds; capital stock $10,000. —— Story added to Milton Bradley Co.'s factory. —— Block occupied by Birnie Paper Co. gutted by fire. *March.* A. M. Mayo & Co. removed their paper stock business to larger quarters and increased facilities by addition of a new press. —— J. H. Baker & Co.'s two story shoe factory destroyed by fire; firm moved back to Beverly, whence they came five years ago. *April.* John E. Taylor, paper, died, aged 70 years. —— Metallic Drawing Roll Co.'s directors met and voted to triple its present plant at Indian Orchard. *May.* C. B. Potter, formerly of Plainville, Conn., established new knitting plant in the Wight building for manufacture of silk and worsted underwear, and applied for incorporation under name of Springfield Knitting Co.; capital stock to be about $10,000. —— Shoe factory recently burned replaced by brick factory, 62 x 27 feet, to be used for the present by a company making patent shoe fastenings. —— Henry E. McElwain, Arthur M. French, Louis F. Heywood, and their associates bought the mill site between Parsons Paper Co.'s mill and Jackson street for the erection of a two-story mill for manufacture of writing paper. *June.* Indian Orchard Mills, cotton yarn, etc., added new machinery. —— Hugh Hannan, machinist, formed partnership with Thomas J. Finton, and opened new machine shop recently built for him. —— Fires for the month: drying room of Cutler & West's box shop; A. N. Mayo's warehouse; and Springfield Waste Co.'s mill. *July.* Morley Express Copying Machine and Paper Co., organized under laws of State of Maine, with capital stock of $500,000. —— Work resumed at Springfield Armory after a fortnight's shutdown. —— P. P. Emory Manufacturing Co. purchased coppersmith business of P. J. O'Connell & Co. *August.* Springfield Brewing Co. began work on new brewery. *September.* Densmore & Densmore, type writer manufacturers of New York, established factory here for models and experiments. —— United States Spring Bed Co. rented half of third story of building formerly occupied by National Papeterie Co., and put in three new wire weaving machines, which increased output from 60 to 100 beds a day. —— Brouillard & Jones Tool Co., formed to manufacture surgical instruments, jewellers' tools, etc. —— Hampden Braiding Co. shut down permanently; entire machinery and stock sold to Castle Braid Co. of Brooklyn, N. Y.; plant to be moved to that city. —— Smith & Wesson's pistol factory opened after a shutdown of two months for repairs. *November.* Merrick Thread Co. decided to run mills 58 hours for 60 hours' pay and to close at noon Saturdays. —— Metallic Drawing Roll Co. added new machinery. *December.* Machinery for manufacture of Wesson's self-lubricating bullet set up in Smith & Wesson's factory. —— D. W. Ellis & Son put new machinery in finishing department. —— Birnie Paper Co. completed repairs on burned factory and resumed business with 125 hands.

Stoneham Pottery Co. incorporated with capital stock of $[illegible]; burned in Feb. and in July. *December*. Sterling Basket Co. began enlargement of its basket factory.

Stoneham. In January, H. D. Wallace & Son retired; rooms formerly occupied by them leased by John M. Noyes, shoes. —— Fire damaged building occupied by following firms: John Best, shoes; Charles Poor, shoes; Geo. A. Newhall, shoe tips; L. Patchett, machinist; Harry E. Hersam, shoe dies. *March*. Morocco factory of Thomas J. Quinn shut down. —— James H. Buselll, inventor of trimmer bearing his name, died, aged 55 years. —— Old Middlesex Boot & Shoe Co.'s building sold to H. G. Rowe. *June*. Addition built to S. W. Kimball's factory. *August*. Factory of E. L. Patch Chemical Co. damaged by explosion of chemicals. *October*. P. Cogan & Son, shoes, enlarged factory. —— F. B. Jenkins & Co. established to manufacture shoes. —— Vinton Shoe Co. succeeded Vinton & Jenkins. *November*. New 100 horse power boiler added to Wm. Tidd & Co.'s currying shop.

Stoughton. In March, French & Ward put in new finishing machinery. *May*. W. Bell began manufacture of shoes. —— Chas. Tenney, shoes, began 50-foot addition to factory. *December*. Phinney Counter Co. resumed operations after usual Thanksgiving shutdown.

Stow. In August, six new fancy looms added to G. W. & A. D. Gleason's woollen plant. *September*. Gleason's woollen mill shut down to substitute steam for water power.

Sturbridge. In July, 15 spinning frames put in position at mill No. 2 of the Fiskdale Co.

Sutton. In April, fire destroyed Sutton Woollen Mills, owned and operated by Chas. T. Aldrich, Jr.; rebuilding begun in May; mill to be 106 x 42½ feet, with wing 71 x 28 feet, and picker house, 36 x 26 feet. *July*. Shuttle factory of D. T. Dudley & Son closed for repairs, owing to bursting of 1,800 pound grindstone. *September*. Manchaug Co. removed old boiler and put in two new ones. *October*. Storehouse, 70 x 40 feet, two stories, erected at mills of Fred B. Smith and W. E. Smith. *November*. Manchaug Co. posted notices in their mills of an increase of wages to take effect Dec. 5. *December*. New mills of the Sutton Woollen Co. completed and part of the looms started up.

Swampscott. In November, Mrs. C. H. King & Co., shoes, removed to Lynn.

Swansea. In April, fire totally destroyed Altham Electric Motor Co.'s works.

TAUNTON.* In January, mules, spinning, dressing, and napping rooms of Whittenton Mills ran overtime to meet demand for goods. —— Fires for month: Eagle Cotton Mills and Geo. F. Williams' saw mill. *March*. Taunton Iron Works shut down three weeks for repairs. —— Pierce Hardware Co. bought out the steel and iron business of C. H. Washburn. —— Taunton Tack Co.'s works started up. *April*. Addition begun to Oakland Cotton Mills. —— Fires for month: picker room of Canoe River Mill and drying room of the Whittenton Mill. *May*. Reed & Barton Silver Plating Co. absorbed by the Reed & Barton Corporation. —— Stockholders of Cohannet Mills voted to increase capital stock $200,000, making it $600,000. —— Office of Nemasket Mill destroyed by fire. *June*. Taunton Iron Co. began erection of three-story building to plant. *July*. Factory of West Silver Co. shut down for short vacation. —— Taunton Locomotive Works went on 58-hour time. —— Hasey & Hall leased the "old brick mill," with new machinery, and began operations. *August*. Cohannet Mills Corporation purchased land and buildings formerly owned by Williams Ice Co. *September*. Fires for month: picker room of Cohannet Mill No. 3 and machine shop of E. W. Strange & Co. *October*. Roof of Taunton Locomotive Works damaged. —— Mason Machine Works ran nights to keep up with increased orders. —— Carding room of Whittenton Mills damaged by fire. *November*. S. A. Dudley, shuttles, moved place of business. —— Repairs completed at foundry of Taunton Locomotive Works and Strange's machine shop. —— New picker machinery placed in Nemasket Mill. *December*. A. Field Tack Co. shut down a few days owing to accident to boiler. —— Overtime work at Mason Machine Works discontinued. —— Small detached waste room at the Canoe River Mill damaged by fire.

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* In the CHRONOLOGY for 1891 it was stated that during August the Mason Machine Works ran only four days per week owing to dull trade. This statement should have read that the workmen employed in the *foundry* of the Mason Machine Works worked but four days per week owing to unfavorable weather in the month of August.

Templeton. In February, Holman & Harris laid foundation for new storehouse, 24 x 96 feet. *July.* Otter River Woollen Co.'s plant, which had been shut down for some time, leased to Chas. King. *October.* New 100 horse power boiler placed in Co-operative Chair Co.'s factory. *December.* Gilman Waite purchased the Nichols Machine Shop. —— Break in machinery at the Bowen & Hadley factory caused brief shutdown for repairs.

Tewksbury. In April, Atherton Machine Co. completed new foundry.

Topsfield. In June, A. Lane and L. Peabody formed copartnership for manufacture of children's shoes.

Upton. In November, L. W. Hill, of L. W. Hill & Son, boxes, retired and stock company organized under Massachusetts laws, known as Upton Manufacturing Co.

Uxbridge. In March, Ironstone Mill property, containing 160 acres, sold to Geo. Spencer of Providence, R. I.; a company to be formed and mill erected for manufacture of worsteds. *April.* Capron Woollen Mill shut down for about two hours owing to accident to main shaft. —— Work begun on foundation of South Uxbridge Worsted Mill; to be of wood, 100 x 46 feet, three stories front and five back. *May.* Hecla & Calumet Woollen Mills closed for one week. —— Picker room of Capron Woollen Mill damaged by fire. *June.* New carding machinery added to woollen plant of R. Sayles & Co. —— Calumet & Hecla Woollen Mills started up after a week's shutdown. —— All the mills adopted the 58-hour system. *October.* Stock house of Happy Hollow Mill destroyed by fire. *November.* Capron Woollen Mill started up after a week's shutdown for repairs. *December.* On account of the breaking down of the dynamo machine, the Calumet & Hecla Mills ran three-quarters time.

Wakefield. In August, Smith & Anthony's foundry started up. *October.* Winship & Bolt added new machinery to their hosiery mill.

Wales. In December, Excelsior Woollen Mills ran overtime on kerseys and cloakings. —— Baker Bros. started up the Dell Mill after a week's shutdown for repairs.

Walpole. In January, J. B. Rooney bought Diamond Mill privilege and buildings. *March.* Saxon Worsted Mills ran nights. *April.* Lewis Batting Co. ran both mills to full capacity and turned out 5,000 pounds of cotton batting daily. *September.* An addition, 50 x 90 feet, two stories, made to storehouse of E. Frank Lewis' wool scouring mill, and new machinery added to mill proper.

WALTHAM. In January, Waltham Foundry Co. began erection of new building. —— *July.* Waltham Watch Co. closed factory for summer vacation. *August.* Waltham Watch Co. completed its 6,000,000th watch. *December.* Waltham Dial Co. purchased lot of land for a three-story factory.

Ware. In February, Otis Co. increased pay of weavers on awning fabrics 11 per cent. *March.* Work begun on Ware Lumber Co.'s box factory, 104 x 40 feet, two stories. *April.* Hampshire Marble Co. bought Patrick Mahon's marble business. *May.* Geo. H. Gilbert Manufacturing Co., woollens, began on Saturday half-holiday. *July.* Ware Lumber Co. shut down the Southworth Mill in Hardwick preparatory to moving machinery to this place. —— Otis Co. made improvements which added about 1,000 spindles to its capacity. —— Piston rod in engine of Otis Co.'s new mill broke and cylinder head blew off. *August.* Geo. H. Gilbert Manufacturing Co. filled up basement of its weave shed with looms. —— Concrete walks laid in mill yards of Otis Co. —— *November.* Chas. A. Stevens & Co.'s mill started on new time schedule. —— Ware Woollen Co.'s mill building, occupied in part by W. H. Flanders, knife handles, destroyed by fire. *December.* Geo. H. Gilbert Manufacturing Co. shut down to put in new 450 horse power engine. —— Goodell Bros. put machinery into new shops.

Wareham. In June, factory, machine shop, and saw mill of Tremont Nail Works destroyed by fire. *July.* Franconia Iron and Steel Works ran night and day to fill orders.

Warren. In May, Chas. Heritage, formerly superintendent of Sayles & Jenks woollen mill, leased the Ravine Woollen Mill, Hampden. *July.* Warren Cotton Mills put in three new slashers. *August.* Knowles Steam Pump Works put in foundation for storeroom in rear of testing room, and began addition to old pump shop building, 25 x 50 feet, two stories. —— Kingsbury Soap Manufactory enlarged. —— Knowles Steam Pump Works resumed night work in their

brick machine shop. *September*. Woollen mill of Sayles & Jenks, 40 x 125 feet, four stories, destroyed by fire; not to be rebuilt until 1893. *November*. Warren Cotton Mills ran on short time from lack of water. —— Burt Bros. added another loom to their carpet and rug mill. *December*. Warren Cotton Mills added two compression rolls for cotton slashers.

Watertown. In February, Elm City Co., shirts, built new three-story structure. *July*. Storehouse and barn connected with mills of Union Carpet Lining Co. destroyed by fire. *November*. A series of tests to determine the comparative merits of cut nails and wire nails made at United States Arsenal, upon the governmental testing machine, under supervision and control of commanding officer of the Arsenal.

Wayland. In May, C. W. Dean began addition to shoe factory. *December*. Bent Shoe Factory started up by Bent Bros. after having been closed for two years.

Webster. In February, H. N. Slater's new mill fitted with 250 incandescent electric lights. —— Board of Trade negotiated with Bay State Paper Box Co. of Worcester, with a view to establishing a branch here. —— Sash and blind factory of Joel Goddard & Co. destroyed by fire. *March*. Ames Shoe Shop nearly destroyed by fire. *April*. Addition built to shoe factory of A. J. Bates & Co. —— B. J. Lanard & Co., shoes, dissolved. —— New engine added to Stevens Linen Co. *June*. John Chase & Sons' factory shut down two days for repairs on boilers. —— Finishing room of H. N. Slater & Co.'s cambric works damaged by fire. *July*. Shoe factory of A. J. Bates & Co. closed one week for repairs and stock taking. *August*. Stevens Linen Co. closed for two weeks. —— Work begun on new boiler house for Slater Manufacturing Co.; to be of stone, 60 x 40 feet, and to contain six boilers. *October*. Josiah Perry repaired feeders and put on improvements. —— Picker room of Chase Mill slightly damaged by fire.

Wellesley. In December, new electric lighting system started up for first time.

Wendell. In November, Frank Delvey started steam mill.

Westborough. In June, H. O. Bernard Manufacturing Co., straw goods, notified all salary men employed, that contracts with them would not be renewed for another year. *August*. Firm of Birch, Dunbar, & Blackwood, pianos, changed to Birch & Blackwood. —— National Straw Works resumed operations. *September*. Manufacture of brass and iron bedsteads started by Taylor & Garner under name of American Metallic Bedstead Co. *October*. Addition to Beacon Cycle Works completed. *December*. American Metallic Bedstead Co. organized under laws of Massachusetts; capital stock $600. —— Beacon Cycle Co. bought property formerly owned by White Cycle Co. and M. V. Livingston Manufacturing Co. —— Capital stock of American Metallic Bedstead Co. increased.

West Boylston. In April, Holbrook Mills shut down owing to break in shaft. —— Elevator in E. A. Cowie's grain mill sprung a leak and 200 bushels of corn precipitated into the river; 150 bushels were raised and dried. *June*. Clarendon Mills put in new quilt looms and new fire pump. *November*. Charles Harris of the Harris Manufacturing Co., died, aged 47 years.

West Bridgewater. In February, work begun at Chas. E. Tisdale's factory after shutdown. *December*. Tisdale's factory shut down for a few weeks.

West Brookfield. In January, cutters in boot factory of McIntosh & Co. began work. *March*. J. M. Fales & Co., shoes, dissolved. *November*. McIntosh & Co. put electric light plant in their boot factory.

Westfield. In January, Warren Thread Works began addition to their dye works, 75 x 50 feet. *April*. Linenoid Casket Co. started with capital of $100,000; manufacture of shells for caskets to be carried on for the present at Crane Bros.' paper mills. *May*. Business of late Amos E. Ensign continued under management of son, William H., under name of A. E. Ensign Cigar Box Co. *July*. V. W. Crowson, cotton waste, succeeded by a stock company to be known as the V. W. Crowson Waste Co. —— New machine constructed for warping and beaming yarn on a ¾-inch skewer, entirely dispensing with spools now used in creels for warping; by winding on the skewer direct the space occupied by the heads and barrel of the spool is entirely used for yarn, making great gain in quantity, reducing waste, and enabling one tube to make two warps with one tying in. —— Work begun on brick addition, 50 x 64 feet, two stories and basement, to Crane Bros.' paper mill. *September*. American Casket Hardware Co. fitted up

building vacated by Westfield Whip Co.; employment to be given to twice the number of hands. *November*. Foster Machine Co. purchased of Brooks & Doxie, Manchester, England, their rights in the American patents of the Hill & Brown Winding Frames, and began building one of its improved cone winders to go to Chemnitz, Germany. *December*. Bangor Edge Tool Co. made repairs and improvements to mill and put in new boiler and 50 horse power engine.—— Ground broken for two-story addition to Westfield Steam Laundry.

Westford. In August, Abbott Worsted Co. began erection of new warehouses.

Westminster. In April, one of the buildings of the Baxton Co.'s plant completed. *May*. Franklin Wyman closed up his paper manufacturing business and sold water privilege to Fitchburg Water Co. *July*. A. Merriam, chairs, shut down his works for a few weeks to put in two new boilers and make necessary repairs. *December*. Battles & Goodridge began foundation for new mill.

West Newbury. In January, W. B. Chaplain, shoes, occupied new factory. *August*. H. G. O. & T. M. Chase, combs, dissolved after an existence of 49 years; the senior member sold out his interest to his nephew. *December*. Steam pipe in pressing department of S. C. Noyes & Co.'s comb factory exploded, wrecking the building.

Weston. In October, H. V. Partelow's boat factory destroyed by fire.

West Springfield. In October, Agawam Paper Co. shut down finishing department owing to scarcity of water. *November*. Work begun on addition to Worthy's paper mill, 36 x 47 feet.

West Stockbridge. In August, Hudson Iron Co. shut down all work at its mines, retaining only four men. *October*. Truesdale & Fuarey started up new kiln.

Weymouth. In March, E. Dyer, shoes, started up his North Weymouth factory. *May*. John S. Fogg, shoes, died, aged 75 years. *June*. Frederick Cate, clothing, built wooden factory, 100 x 25 feet, two stories. *August*. Abner P. Nash, shoes, died, aged 89 years. *December*. Weymouth Steam-Face Granite Co. incorporated; capital stock $10,000.—— Edgar C. Porter, of Geo. E. Porter & Co., boots, died, aged 38 years.

Whitman. In January, Robert Cook, tacks, died, aged 95 years. *March*. Timothy Wrake began manufacture of shoes. *April*. W. H. Daniels & Co., shoes, of Waldoborough, Me., decided to locate here and operate factory now occupied by Whitman Paper Box Co.; latter firm to move to East Whitman. *May*. Main shaft in factory of Commonwealth Shoe & Leather Co. broke, throwing 1,200 hands out of employment for several days. *June*. Eaton, Stetson, & Co., shoes, closed indefinitely, throwing 100 hands out of employment.—— Tack factory of D. B. Gurney damaged by fire. *July*. Eaton, Stetson, & Co., shoes, moved to Holliston. *September*. Foundation begun for two additions to factory of Commonwealth Shoe & Leather Co., wood, four stories each; completed in December. *October*. Smith & Stoughton, shoes, began addition to factory, brick and wood, 115 x 35 feet, four stories. *December*. Manufacture of spring beds begun by Atlas Tack Co.—— Commonwealth Shoe & Leather Co., increased help by some 300 hands.—— New firm leased Eaton, Stetson, & Co. shoe factory.

Williamsburg. In June, Williamsburg Manufacturing Co., chairs, started up. *July*. Woollen mill of T. D. James sold at auction to Mr. Goodwin of Indian Orchard. *October*. Hill, Damon, & Wright's button shop shut down for repairs. *December*. Barrus & Clary, of Williamsburg Manufacturing Co., dissolved partnership; business to be carried on by Mr. Clary.

Williamstown. In February, Williamstown Manufacturing Co. built storehouse for cotton. *June*. Twine mill owned by Keyes Danforth and others sold to an English company to be used as a bleachery; started up in November. *December*. Williamstown Manufacturing Co. increased wages at mill about 7 per cent.

Wilmington. In December, Perry, Converse, & Co., tanners, dissolved.

Winchendon. In April, N. D. White & Sons, Glenallan Mills, completed new weave shed, 112 x 50 feet, and added new machinery to mill. *July*. Erection of a brick engine

house, 40 x 30 feet, to contain a 225 horse power engine, begun at Glenallan Mills. *September.* Plant of C. W. Day & Sons, brush handles, destroyed by fire; rebuilt and occupied in October. *November.* Brown Bros. added electric light plant to their mill. *December.* A new and larger engine placed in Wright & Whitney factory. —— Second boiler put in operation at Converse Toy Factory.

Winchester. In April, Philip Waldmyer, calfskin tanner, died at his home in West Medford, aged 61 years. *June.* Beggs & Cobb tannery began curtailment. *December.* McKay Shoe Machine Co. of Lynn leased land for erection of a factory. —— Increase made to steam plant of Winchester Tannery.

WOBURN. In January, currying shop of Thos. Stewart & Co. destroyed by fire; building occupied by Thomas Wilson, carriages, also damaged. *February.* Leather firm of S. A. Dow reorganized. —— T. Stewart & Co. leased tannery and currying shop at Peabody. *March.* New leather firm of Moffitt & Harvey leased factory lately vacated by Cobb & Otis. —— Beggs & Cobb started tanning in the Maxwell tannery. —— N. S. Simonds started in the shoe stock business. *April.* Merrimac Chemical Co. began addition to their works, 150 x 80 feet. —— Fowle, Bros. & Codman, shoe knives, began addition to factory, wood, 35 x 80 feet, one story. *June.* E. G. Place & Co. added new engine and boiler to plant and otherwise increased capacity. —— Jno. Tidd, retired tanner, died, aged 84 years. —— Russell Counter Co. shut down, throwing 135 hands out of work. —— Some of the tanneries shut down for 60 days, others refrained from buying hides, etc., in order to curtail production.

WORCESTER. In January, Spiers Manufacturing Co. incorporated for manufacture of bicycles; capital stock $15,000. —— Machinery, tools, and office of Worcester Felting Co. sold at auction. —— Webb Granite Co. began erection of engine house and other new buildings. —— Stockholders of Worcester Electric Light Co. voted to increase stock and enlarge plant. —— The Washburn shops, connected with the Worcester Polytechnic Institute, purchased elevator business of Hutchins Machine Co., formerly the Worcester Elevator Co. —— Plant of the Worcester Steel Works passed into the hands of a syndicate composed of New York firms. —— Hutchins Machine Co. began manufacture of the Hall mowing machine. —— W. H. Hill, envelopes, died. —— Firm of Forehand & Co., firearms, changed to Forehand Arms Co. —— C. L. Hartshorn began erection of factory, brick and stone, 42 x 100 feet, two stories. —— P. G. Kent & Co., cassimeres, succeeded by Jamesville Manufacturing Co.; capital stock $150,000. —— Fires for month: A. E. Peck, picture frames; A. Burlingame, engines; A. B. Brunell, nickel plating. *February.* Wool waste business of D. S. Sumner bought by S. E. Hull of Millbury. —— Johnson & Bassett, wool spinning machinery, admitted Mr. Bassett's son to firm. —— Hutchins Narrow Fabric Co. added new machinery. —— Howard Bros. Manufacturing Co., card clothing, purchased tract of land for erection of new shop, to be 100 x 45 feet, with L 45 feet square, four stories and basement. —— Smith Heating & Ventilating Co. formed to manufacture ventilating and heating apparatus under patents issued to F. P. Smith. —— Wells Chemical Bronze Works put in new 12 horse power steel boiler, and erected new storehouse, 50 x 20 feet. —— Worcester Oil Works added new tanks and began manufacture of soap for scouring textiles. —— Samuel E. Winslow sold his interest in Winslow & Curtis Machine Screw Co. to Fred. E. Reed, and retired; business continued by Reed & Curtis Machine Screw Co. *March.* New machinery added to Bigelow & Darling's satinet mill. —— Messrs. Bond of Springfield, formerly of the Springfield Weaving Co., who some months ago bought the controlling interest in the capital stock of the Hutchins Narrow Fabric Co., purchased remaining interest; an enlargement of the plant both in Springfield and Worcester to be made. —— Picker room of Hopeville Mills damaged by fire. *April.* Wright & Colton Wire Cloth Co. ran factory nights. —— John Davroy Co. incorporated for preparation of chemical products; capital stock $5,000. —— W. C. Young Manufacturing Co. incorporated to succeed to business of W. C. Young & Co., machinists' tools, capital stock $35,000. —— Powell Planer Co. finished a planer for the Fort Wayne, Ind., Electric Light Co.; stated to be one of the largest in the world. —— W. H. Hill Envelope Co. incorporated under laws of Massachusetts, as successors to late W. H. Hill. —— Spiers Manufacturing Co. turned out its new safety bicycle called the "Majestic." —— L. W. Pond Machine Co. removed to new brick shops recently built for the business; main building 150 x 50 feet. —— Moody E. Shattuck, cigars, died, aged 66 years. —— New England Steel Works, formerly the Worcester Steel Works, started up, having been idle since the failure, September, 1890. —— Hammond Reed Co. incorporated to succeed to the business of A. H. Hammond & Co.; capital stock $100,000. —— Factory of Richardson Manufacturing Co., agricultural implements, and new copper smelting works of Washburn & Moen Manufacturing Co. damaged by fire. *May.* Stockholders of Washburn & Moen Manufacturing Co. voted to increase capital stock from $2,000,000 to $2,500,000. —— Fires for month: card room of Austin W. Ward's satinet mill and

building occupied by Henry Brannon, cabinet maker; Wm. Richardson, machinist; and Jeremiah Winn, wheel manufacturer. *June.* New England Steel Works ran a night and day turn. The Premier & Indiana Steel Co. of Indianapolis purchased the Bessemer department and it will be removed to that city; Worcester mill hereafter to confine itself to the open-hearth process. —— E. & J. W. Lathrop, needles, sold plant to National Needle Co. of Springfield; works to be removed to that city. —— Wright & Colton Wire Cloth Co. began erection of building for its newly established wire drawing department. —— Worcester Electric Light Co. put in a 600 horse power engine for use in an emergency. —— One-story brick addition, 26 x 28 feet, begun to foundry of Crompton Loom Works. —— Washburn & Moen Manufacturing Co. began erection of a two-story brick building, 50 x 60 feet, as an addition to their blacksmith shop. —— Whittall Carpet Works connected a worsted department; raw wool to be taken and converted into worsted yarn for carpets. —— E. A. Thwing, treasurer of Lathe & Morse Tool Co., died, aged 62 years. *July.* Factory of Fenton, Dunn, & Co., carriages, destroyed by fire. —— Foundation of new shoe factory for Jas. W. Doane begun; to be of brick, 10 x 86 feet, two stories. *August.* Brick factory, 256 x 120 feet, two stories, begun by Washburn & Moen Manufacturing Co., for manufacture of wire springs. *September.* Charter granted for incorporation of the E. A. Richardson Carriage Co.; capital stock $20,000. —— Bowler Bros. began addition to brewery; to be of brick, 59 x 52 feet, one story; completed in October. *October.* A portion of the piano manufactory of Brown & Simpson Co. ran nights. —— Operations on plant of Rice, Barton, & Fales Co. begun; main building to be 280 x 80 feet with two two-story ells, each 80 x 100 feet. —— Certificate of incorporation granted to William H. Burns Co., for the manufacture of textile fabrics; capital stock $150,000. —— Bay State Shoe & Leather Co.'s shop damaged by fire. *November.* Syndicate formed to purchase box factory of H. L. Merchant; to be called the Merchant Box & Cooperage Co. —— Worcester Car Wheel Co. shut down for two weeks to make repairs in its rolling mill. —— Spiers Manufacturing Co. ran nights. —— J. E. Windle cloth folding machines, leased a portion of Howard Bros. Manufacturing Co.'s new factory. —— Porter & Gardiner, lasts, completed storehouse of wood, 144 x 48 feet, one story, with monitor roof. —— Leather room of American Card Clothing Co.'s factory shut down for a few days. —— Breaking of main shaft at H. C. Pease & Co.'s machine shop caused a brief shutdown. —— Excavation begun for brick machine shop for Coates Clipper Co.; 136 x 30 feet, two stories. *December.* Addition begun to W. J. Hogg's carpet mill 34 x 54 feet, three stories. —— Howard Bros. Manufacturing Co. started in their new building; output increased from 10 to 20 per cent. —— Reed & Curtis Machine Screw Co. moved into its new plant. —— Two new 125 horse power boilers placed in the Forehand Arms Co.'s factory. —— Star Foundry equipped for electric lighting.

Wrentham. In February, M. T. Farnum of Uxbridge, fitted up and started the Glenwood Mills, one set, on fine shoddies.

Yarmouth. In March, Albert Taylor instituted first carpet industry in this town.

THE STATE. In the work attending the collection of the industrial statistics of manufactures, the Bureau has found it necessary to obtain information relative to the establishment of new firms, corporations, and industries, the changes made in existing establishments, and such other facts as may be found in the preceding Industrial Chronology.

It must, however, be understood that the preparation of this Chronology is considered as incidental to the regular work of the Bureau, and is undertaken chiefly that its files and records may be kept in perfect condition and that the Bureau may be cognizant of the varying conditions of the manufacturing industries of the State. To this end we presented, in 1890, 1891, and 1892, concise statements of changes, etc., occurring during each of the years specified, believing that such data possessed historical value, especially if collected with care and continued from year to year.

During 1892 our facilities for collecting this information were somewhat enlarged accounting, it may be, for increases shown as regards some points in 1892 as compared with 1891. But with the limited time at our command it has been impossible to verify every statement made or printed, and while due care has been exercised it is quite probable that some errors have crept in.

Neither is the information considered complete as covering every operation which occurred during the year, but it includes the more important ones.

As shown in the foregoing Chronology returns are made from 202 cities and towns, as against returns made from 178 cities and towns in 1891. The following table presents a summary of the facts shown in the preceding pages placed in comparison with the items contained in the Industrial Chronology for 1891:

Classification of Changes, Removals, Suspensions, Fires, Etc.	Number of Establishments Reporting Specified Changes, Removals, Suspensions, Fires, Etc.	
	1891	1892
Firms, establishments, and industries new to towns,	114	150
Buildings constructed during the year,	100	230
Machinery added to plant,	72	198
Other additions to plant,	210	157
Addition of new class of product to manufacture,	20	20
New industrial corporations organized,	76	58
Amount of capital stock of new industrial corporations,	$3,978,900	$3,708,600
Rebuilding of burned factories, etc.,	22	19
Removals to larger quarters,	48	47
Resumption of business after protracted shutdowns,	18	11
Use of important new inventions,	10	10
Changes from private firm to corporation,	22	31
Amount of capital stock covered by such changes,	$1,313,000	$1,492,800
Changes in firms, firm names, etc.,	68	118
Changes in character of product,	6	8
Changes in character of machinery,	11	9
Changes from hand to machine lasting in Boots and Shoes,	5	13
Changes in running time and hours per day,	-	35
Consolidation of firms,	2	4
Increases in capital stock,	7	17
Amount of increase in capital stock,	$1,360,000	$3,305,000
Removals of firms and industries to Massachusetts from other States,	15	12
Removals of firms and industries from Massachusetts to other States,	10	5
Removals from one town to another in Massachusetts,	-	31
Increases in number of employés,	5	23
Reductions in number of employés,	1	-
Increases in rate of wages paid,	-	11
Reductions in rate of wages paid,	-	1
Running overtime and nights on account of rush of orders, etc.,	-	76
Introduction of electric lighting and power into factories, etc.,	-	15
Suspensions for vacations and brief stoppages,	174	96
Suspensions indefinite as to duration,	31	21
Suspensions for curtailment of production,	7	6
Suspensions on account of low water,	29	10
Suspensions on account of dull trade,	21	3
Suspensions on account of strikes and lockouts,	8	*
Suspensions on account of accidents to machinery,	20	43
Suspensions for repairs and improvements,	72	56
Suspensions on account of shortage of raw materials,	2	-

* Not reported in 1892.

Classification of Changes, Removals, Suspensions, Fires, Etc.	Number of Establishments Reporting Specified Changes, Removals, Suspensions, Fires, Etc.	
	1891	1892
Suspensions (permanent),	20	22
Retirement from business (no successors),	11	7
Dissolution of corporations,	3	2
Auction sales of industries or plants,	7	9
Sales of plants in whole or in part,	79	85
Sales of plants to syndicates or trusts,	8	2
Fires during the year,	214	283
Plants damaged by explosions,	-	11
Deaths of manufacturers,	82	59
Purchase of beds in hospitals by corporations for injured employés,	-	2

It will be seen by the first line of this table that, in 1892, there were 150 instances of new firms, establishments, and industries reported as established for the first time in the cities and towns under consideration. By the second line, 230 new factory or mill buildings were reported as having been constructed during the year 1892; this number does not include the addition of new wings, storehouses, or similar additions to factories already built; items of this nature are included in the fourth line. There were 283 cases of damage by fire during 1892 and 19 instances of rebuilding of burned factories, etc. Undoubtedly the other factories were either repaired or rebuilt but no report was made concerning them.

In the fourteenth line of the preceding table is included all the reported changes in copartnership, the taking in of new partners, the dropping out of old partners, and changes in style of firm names. They number 118; to these should be added the thirty-one cases of changes made from private firms to corporations. Permanent dissolution of firms, etc., are recorded in the lines "Suspensions (permanent)," "Retirement from business (no successors)," and "Dissolution of corporations."

In the summary we have this year included the amount of capital stock of the new industrial corporations which were organized during 1892, so far as reported, and have caused a tally to be made of the Industrial Chronology for 1891 in order that a comparison may be instituted. By referring to the sixth line of the table it is found that 58 new corporations were organized in 1892. Of this number only 43 reported the amount of capital stock, or $3,708,600. There were, in 1892, 31 instances of changes made from private firm to corporation and 21 establishments reported the investment of capital stock of $1,492,800. Seventeen cases of increase in the amount of capital stock are shown in 1892 covering the investment of an additional $3,305,000; 15 corporations reported this amount.

No tally was made of the strikes and lockouts in 1892 owing to the difficulty of securing exact returns in season to be incorporated in this report.

In the following table, we present, by months, the number of suspensions as recorded in the preceding table, for the year 1892:

Months.	Causes of Suspensions						
	Vacations	Indefinite	Accidents; Low Water	Repairs and Improvements	Curtailment; Dull Trade	Permanent; Retirement; Dissolutions	Totals
January,	4	2	2	1	-	5	14
February,	1	1	4	-	1	1	8
March,	8	7	1	3	-	2	21
April,	2	1	6	1	-	1	11
May,	4	-	5	3	-	6	18
June,	6	1	6	5	7	4	29
July,	42	1	1	16	-	5	65
August,	10	3	2	8	-	2	25
September,	3	1	4	7	-	2	17
October,	-	-	5	4	-	1	10
November,	9	2	5	4	1	1	22
December,	7	2	12	4	-	1	26
Totals,	96	21	53	56	9	31	266

Condensations have been made in the third, fifth, and sixth columns in the above table. In the third column suspensions caused by accidents to machinery are combined with those caused by low water; the latter occurred in the following months: October, 3; November, 1; and December, 6. In the fifth column are combined suspensions caused by curtailment of production and dull trade; the latter occurred once in February, June, and November, respectively. In the sixth column all of the total shutdowns and suspensions are combined as follows: Permanent—January, 2; February, 1; March, 1; April, 1; May, 5; June, 2; July, 4; August, 1; September, 2; October, 1; November, 1; and December, 1. Retirement (no successors): January, 3; June, 2; July, 1; and August, 1. Dissolutions: March, 1, and May, 1.

The 283 fires reported as having occurred during the year 1892 were distributed through the following months; comparative figures for 214 fires in 1891 are also given.

Months.	Number of Fires		Months.	Number of Fires	
	1891	1892		1891	1892
January,	20	36	July,	19	16
February,	22	25	August,	19	16
March,	22	25	September,	10	13
April,	23	28	October,	11	19
May,	17	40	November,	25	28
June,	13	18	December,	13	19